WALLACES' FARMER and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

JANUARY 1, 1955

. 100 Years Ago It Was Wheat

IOWA, the state where corn grows best, was wheat country in 1855 when this farm paper had its beginning.

Pioneer farmers tried to get land into wheat production as fast as possible. Maybe they didn't realize that the deep, black soil could grow corn like no other area in the world.

More likely, it was because wheat was a good cash crop. Corn was for livestock feed. And livestock markets were far away.

But railroads pushed westward—into the real wheat country. Wheat prices dropped off. And Iowa farmers turned to growing corn—the crop that has made Iowa the nation's most prosperous farm state.

Drawings on this page show how artists of about 100 years ago were picturing Iowa farming. For more about farming 100 years ago in Iowa, see pages four, nine, ten and eleven.

YOU GET UP TO 20% LONGER WEAR AT NO EXTRA COST WITH FIRESTONE TRACTOR TIRES

MANY tractor tires may appear to be the same, but it is the *extra service* you get from the tire that will make a big difference in your farm costs.

Like farmers everywhere, you will find that Firestone Tractor Tires are the longest wearing tires money can buy. And, one of the reasons for this extra long wear is Firestone's tough tread rubber compound. It doesn't cost you a penny more; yet it gives years of extra service. You get greater drawbar pull because the tread bars retain their sharp biting edge longer. The new tread rubber compound resists rapid wear on hard surfaced roads and hard soil. It also gives better performance in all kinds of tough stubble.

Compare before you buy! Let your Firestone Dealer or Store show you why Firestone Tractor Tires last longer, pull better and do more work for your tire dollar.

Always Specify Firestone Tires

Get More Winter Traction with Firestone Tires on Your Car and Truck

The Town and Country is the greatest mud, snow or ice passenger tire ever built. A quiet highway tire as well as a traction tire.

The Super All Traction truck tire takes hold and moves the load in mud, in snow, or on wet or icy roads.

Enjoy the Voice of Firestone on radio and television every Monday evening over ABC

Copyright 1955, The Firestone Tire & Rubber Co.

WALLACES' FARMER AND IOWA HOMESTEAD. January 1, 1955 (Vol. 80, No. 1). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1955, by the James M. Pierce Corporation.

Iowa owners say: "More Economical, More Powerful, Easier to Handle"

Just "capped" a day's work

for my Massey-Harris

AND there you have it . . . dollars and cents economy! A full day's work on a single tank of fuel under normal conditions — one reason so many Massey-Harris owners have purchased their third, fourth, fifth Massey-Harris tractor.

There is no secret to this greater economy. It's Massey-Harris' Balanced Power Design . . . the perfect coordination — teamwork — between the units that develop the power and those that use it.

You know it's there the minute you put a Massey-Harris to work. You feel it in the way it cuts back and eases you through on light loads — then snaps into full power when the pull gets heavy.

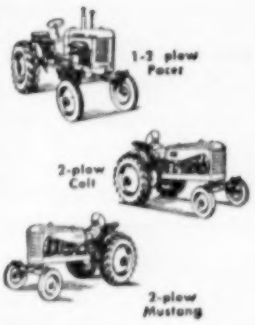
It's the kind of power that likes to work, that takes the fight out of heavy jobs. Smooth, steady power . . . responsive . . . dependable, ready to go whenever you are.

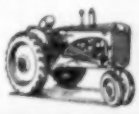
And when you do take a Massey-Harris to the field, you'll be pleasantly surprised. It handles easier — turns, dodges quick . . . yet gives you a ride that is jar-and jolt-free . . . helps you do better work because you see what you're doing . . . leaves you feeling fresher at the end of the day.

The tools that team up with a Massey-Harris are easy to put on and take off . . . with the convenience and precision of its 3-point hitch and Depth-o-matic Hydraulic System that make tractor and implement an integral unit.

But you have to experience the performance of a Massey-Harris to know what a truly fine tractor it is. Arrange a demonstration with your Massey-Harris dealer. Drive a Massey-Harris and learn the difference in economy, power, ease of handling.

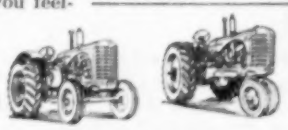
In a new booklet—"Out of the Mailbag" — farmers from all over the country tell of their preference for Massey-Harris tractors . . . the economy, power, ease of handling they get in a Massey-Harris. For your free copy write, Massey-Harris, Dept. A-25, Racine, Wisconsin.





MAKE IT A **Massey-Harris**

Outstanding for Economy, Power, Ease of Handling



See Your Nearby Massey-Harris Dealer For All Your Equipment Needs

— DEALERS IN IOWA —

ACKLEY.....Fred Aldinger
AGENCY.....Brainard Motor Sales
AKRON.....Akron Implement Co.
ALBIA.....Airway Implement Co.
ALBION.....Southard Implement Co.
ALGONA.....Bradley Bros.
ALLERTON.....Cunningham Impl. Co.
ALLISON.....Harms & Harms Co.
ANAMOSA.....Micheal Implements
ANTHON.....Draper Impl. Co.
ARCADIA.....H. J. Peters & Sons
ATLANTIC...Sathman Motor Company
AUDUBON....Christoffersen Impl. Co.

BARNES CITY....Draughn Rep. & Impl.
BAXTER.....Norman J. Kimberley
BAYARD.....Bayard Motor & Impl.
BEDFORD....Wilson Implement & Auto
BELLEVUE.....Farmers Supply
BLOOMFIELD.....Harris Motor Co.
BOONE.....Nelson Implement Co.
BRITT.....Majon Motor Co.
BROOKLYN.....Manatt Brothers
BUFFALO CENTER..Jordal Farm Equip.
BURLINGTON....Sunnyside Equip. Co.
BURT.....Christensen Implement Co.

CANTRIL.....Cantril Implement
CEDAR RAPIDS....Happel & Sons, Inc.
CENTERVILLE..White & King Impl. Co.
CHARITON...Morrett Garage & Impl.
CHEROKEE.....Northside Impl. Co.
CHURDAN.....McNeil Repair Service
CLARENCE.....H. D. Kemmann Sons
CLARINDA....Pollert Sales & Service
CLARION.....Sann Implement Co.
CLEARFIELD.....Clearfield Impl. Co.
CLEAR LAKE.....Esslinger & Mullan
CONRAD.....Conrad Implement Co.
COULTER.....Coulter Implement Co.
CUMBERLAND.....Edwards Garage
DECORAH..Hattlestad Motor & Impl.
DENISON.....Savery Impl. Co.
DES MOINES....Ewing Implement Co.
DE WITT....Harrington Implement Co.
DIKE.....Marks & Duisman
DONNELLSON....McCarty & Schuelke
DUBUQUE..Gill's Implement & Service
DURANT.....Dickey Implement Co.
DYERSVILLE.....Gus H. Brunkan Impl.

EARLHAM.....Pitzer Implement Co.
ELDON.....Thomas Implement Co.
ELDORA.....Barr Farm Equipment
ELGIN.....Torkelson Motor Company
ELKADER.....Fassbinder Implements
ESTHERVILLE.....Viking Motors

FARNHAMVILLE.....A. J. Tasler
FLOYD.....Poppe Implement Co.
FORT DODGE.The Farm Equipment Co.
FREMONT.....Bureker's Farm Service
GEORGE.....Bruns Implement Co.
GLENWOOD.....Buffington Motors
GLIDDEN.....Bentley Implement Co.
GOODELL....Goodell Farm Equip. Co.
GOOSE LAKE.....Meyers Implement
GRAND JUNCTION....Rueter & Zener
GREENFIELD.....Donnellan Garage
GRINNELL....Pearce Implement Store
GUTTENBERG.....Pattison Garage

HARLAN.....Wigness Machine Shop
HARRIS.....Purviance Implement
HARTLEY.....Thorne Sales & Service
HAZLETON.....Don's Implement
HENDERSON.....Hendrix Implement
HUBBARD.....Schwinger Repair Shop
HUMBOLDT.....Stow-Kerns Co.

INDEPENDENCE.....Kaesser & Son
INDIANOLA.....C. R. Walk Impl. Co.
IOWA CITY....Mann Impl. & Appl. Co.
IRETON.....Siouxland Implement Co.

KALONA...Gingerich & Miller Implts.
KEOTA.....Bandy Implement
KEYSTONE.....Davis Implement Co.

LAMONI.....Lamoni Implement Co.
LAMONT.....Smith Implement Co.
LEMARS...Northwest Distributing Co.
LENOX.....Bennett & Son Implement
LEON.....Short Tractor & Implement
LOWDEN.....H. D. Kemmann Sons
LUCAS.....Polser Brothers
LYNNVILLE.....Van's Machine Shop

MADRID.....Farm Supply Store
MANNING.....Manning Farm Supply
MARCUS.....Evans Motor Co.
MASON CITY.....Eco Machine Co.
MAYSVILLE.....Ferris & Mason
MELBOURNE....Watts Repair & Impl.
MELVIN.....Steinmetz Brothers
MILLERSBURG.....Alfred E. Shaull
MISSOURI VALLEY....Morewood Impl.
MONONA.....Drahn Implement Co.
MONROE.....Hawkins Implement Co.
MONTICELLO Monticello Impl. & Truck
MOUNT PLEASANT....Lloyd Peterson & Son
MOVILLE.....Herbold Seed Co.
MUSCATINE..Elder & Vaupel Farm St.

NEOLA.....Krantz Implement
NEWHALL.....Davis Implement Co.
NEW HAMPTON..Rawson Farm Store
NICHOLS.....Elder Implement Co.
NORTHWOOD..Jaspers Motor & Impl.
NORWALK....Gideon Sales & Service

OAKLAND.....Turner Implement Co.
ONAWA.....East Onawa Impl. Co.
ORAN.....L. J. Suhr Garage
OSAGE.....Stang Implement Co.
OSCEOLA.....Steele Implement Co.
OSKALOOSA.....Van Zetten Impl. Co.
OSSIAN.....M. E. Vyverberg

PACKWOOD.....Harold Dickey
PATON....Mengel Impl. & Farm Sup.
PELLA.....Gary T. Vogelaar
PERRY.....Huss Implement Co.
PETERSON....Ted's Shop & Implement
POCAHONTAS.....Keith Farm Supply
PRESCOTT.....Hethcote Garage
PROTIVIN.....Ciet's Farm Equipment

RANDALL..Randall Machine & Welding Shop
RANDOLPH...Bateman Implement Co.
RED OAK.....Farmers Mercantile Co.
ROCK RAPIDS..K. & F. Motor & Impl.
ROCK VALLEY...Vant Hul Motor Sales
ROCKWELL CITY....Small's Implement
ROSSIE.....Jeenks Brothers Garage

SAC CITY.....Crabb Implement Co.
SHELBY.....Rihner Brothers
SHELDON....O'Brien County Impl. Co.
SHENANDOAH...Benefiel Farm Equip.
SIBLEY.....Stanton & Mitchell
SIGOURNEY.....Wemer Motors
SIOUX CENTER....Niessink & Kempers
SIOUX CITY.....Sioux City Tract. & Equip. Co.
SPENCER.....Al. Johnson Impl. Co.
SPIRIT LAKE....West Spirit Impl. Co.
ST. ANSGAR.....Adams Implement
STOCKPORT....Radtke Implement Co.
STORM LAKE.....Cole Motors
SUMNER.....George Stapel Impl.

THURMAN..Thurman Tractor & Supply
TIPTON.....Brendes Farm Equipment
TRAER.....Pemberton Implement Co.

VINTON.....Davis Implement Co.

WALCOTT..Ferris & Mason Implement
WALNUT.....Olsen Motors
WASHINGTON....Fenn Implement Co.
WATERLOO....Waterloo Mtr. & Impl.
WAUKON.....Valiere Dundee
WAVERLY..West Side Sales & Service
WEBSTER CITY..Hansen Implement Co.
WEST AMANA.....Amana Society
WEST BEND.....Frieden Auto Co.
WEST CHESTER.....Miller Garage
WEST POINT...West Point Impl. Store
WINTERSET.....David D. Weems
WOODWARD.....Randall Bros.
WYOMING.Wyoming Impl. & Truck Co.

Hogs and Cattle

BY WALTER J. LEEDS

Build Unborn Pigs In Last 6 Weeks of Gestation

I SURE hope your bred sows and gilts are getting the extra help they need right now. It's amazing what you can do to help them farrow good strong litters.

Did you know that about ¾ of the weight of an unborn pig is put on in the last six weeks of gestation?

I'm not suggesting that you don't need to give a sow good care and good feed until she's coming down the home stretch. Far from it. The best hog raisers I know plan and feed for good litters even before breeding. They'll tell you how this even helps influence the number of live pigs their sows farrow.

Even if your sows are only 6 to 8 weeks away from farrowing, you've still got a great chance to help those sows build big uniform pigs in the remaining gestation time.

You know, yourself, it's important to get good big pigs at birth. But did you know just *how* important? Tests have shown that a 3½ lb. pig at birth has 6 times better chance to reach weaning than a 1½ lb. runt!

You would think every hog raiser in the country would set out to get these big pigs at farrowing time. But as vital as it is, the gestation period (in particular, feeding at this time) is often the most neglected part of the entire hog raising cycle.

To give you just one example, you can still find folks feeding sows a regular hog supplement. Most regular supplements weren't designed to provide the special nutrients needed by the sow.

One supplement can't do all jobs best. The pregnant sow needs extra amounts of certain minerals and vitamins. And she needs a different balance of these nutrients than is needed by fattening hogs. If she doesn't get her motherhood requirements, you can hardly expect her to farrow big uniform pigs.

The fact is, it's just as important to feed your *sows* a special feed as it is to feed baby pigs a special feed.

So the scientists at Nutrena Mills have created a special motherhood supplement to fully meet the sow's needs. It's called Sow-30 and it's a dandy!

Sow-30 is jam-packed full of special motherhood nutrients, in the right balance, to help sows build uniform litters of big, thrifty pigs—the kind that go ahead fast and have up to 6 times better chance to live through weaning.

Sow-30 does a grand job of building up the sow for nursing, too. Helps her hold her own and snap back fast.

The closer your sows are to farrowing, the more important it is that you give them this help. Remember, about three-fourths of the weight of an unborn pig is put on in the last 6 weeks of gestation. So don't put it off.

Through the entire gestation period, you need only 12 pounds of Nutrena Sow-30 per unborn pig. With only 6 to 8 weeks to go, you can see how little you'll need. Compared to the feed you'll use to raise a market hog, it's only a drop in the bucket—but what a mighty drop!

What's more, Sow-30 costs less than many regular hog supplements. Why not call your Nutrena dealer about it today. (Advertisement)

How would you like to seed your oats this way? And then drag the field with a home-made spike-tooth harrow—or maybe with a scraggly branch—to cover the seed. That was what was done on the Iowa frontier in 1855.

INSIDE STUFF

HARDEST JOB on the prairie frontier was breaking that tough sod. Not until the steel plow was invented did farmers have much chance. And even then, it took several yoke of oxen to provide the power.

AFTER THAT, seeding and covering the seed seemed easy. One good thing: sod ground didn't have many weeds. They came in later.

HOW LONG have you read the Iowa Homestead? I am trying to locate the oldest readers. Has anybody read it for 80 years, or even 70?

"WE'D BETTER sell 200 million pounds of that butter for industrial use at a cent a pound and get rid of it," one administration advisor told me at Washington.

I SUGGESTED, as usual, that plenty of low-income people at home would like to eat that butter.

SECRETARY BENSON still thinks he won the election in the middle-west. He is certain that the farm vote for Martin in Iowa proves farm support of his program.

OTHER REPUBLICANS aren't so sure. One professional said bitterly: "We've got to get rid of Benson before the next election. No party can survive in the Corn Belt with that handicap."

ACTUAL FARM vote in Iowa gave 50.7 percent to Martin and 49.3 to Gillette. Martin got many votes from farmers who felt he would carry out Ike's peace policies.

TEAMSTERS' UNION in Ohio is signing up dairy farmers for dues of $90 a year. The teamsters say that they'll see to it that no outside milk comes in if the dairymen stage a milk strike.

AFTER A WEEK at Washington, my best guess is that there will be no important new farm legislation in the next six months. The forces are too evenly balanced.

BEST NEWS in my Washington visits was to hear that President Eisenhower is likely to stand firm for peace. I heard his economic adviser, Gabriel Hauge, say that with Ike the "cold intellect of the statesman" would always win out over "the hot blood of the soldier."

BEDELL SMITH, former chief of staff to Eisenhower, said much the same thing. Ike has his back up, won't yield to those who want him to risk a war with China.

WHEN BENSON announced the end of cross-compliance, one farmer said to me: "Here we go. Shifting the surplus from grain to livestock. And no ideas on how to support livestock."

SCHOOL LUNCHES, production payments and food stamp plans could help the livestock situation. But I couldn't find any evidence that the administration will do much with any of them.

ONE SIGN of the times in Washington hotels — Negroes now can get rooms. Ten years ago, it was a hard job to find a hotel that would even house distinguished—but dark colored—visitors from abroad.

DONALD R. MURPHY

WALLACES' FARMER AND IOWA HOMESTEAD

"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"

(Volume 80—Number 1)

DANTE M. PIERCE, Publisher

RICHARD S. PIERCE, Associate Publisher

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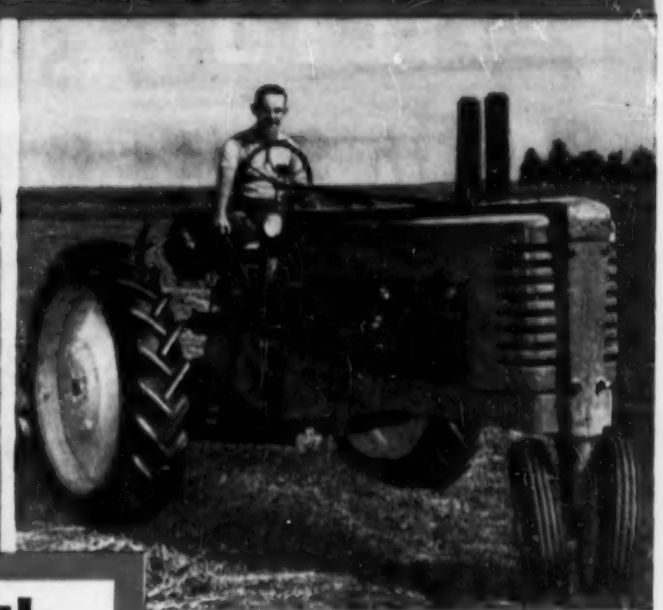
THE TANK TRUCK



"QUIT?" He didn't know the meaning of the word!

(Left) *A farming foursome—and a close-working one, too—is the Herbst family, of Kersey, Colorado. Shown left to right are: Fred; Conrad, Jr.; Conrad, Sr.; Reuben; and Sam.*

(Above) *Fine machinery lubricated with fine Conoco products—that's been part of Sam Herbst's success formula for the past 18 years. Here, son Ronnie puts one of Sam's four tractors through its paces.*

Just southeast of Kersey, Colorado, lies the 240-acre farm belonging to Sam Herbst—and a wonderful tribute it is to Sam's willingness to "stick it out" during rough farming times. Back in 1937, strong winds, limited water, and poor crops gave Sam three good reasons for packing up and heading into the city.

But Sam and his father stiffened their backbones and kept working every inch of the land—and that's why you'll find this well-managed farm producing top-paying sugar beet, corn, bean, alfalfa and grain crops, with pasture aplenty for carrying thirty fine milkers!

Ever since he began working this spread, Sam heeded his father's advice and used Conoco lubricants in his machinery. Today, his 4 tractors, 2 trucks and personal car are all Conoco-lubricated to help keep 'em running right . . . *and* running longer!

"I learned long ago that a good premium oil is the cheapest mechanic I can find," says Sam, "and by using New Conoco Super Motor Oil in all my equipment, repair bills for maintenance stay very low. I'll keep on with Conoco, too, knowing that these products are the best money can buy!" Like Sam Herbst, you, too, can be money ahead by using Conoco products in your farm equipment. For all the facts, just call in your nearby Conoco man. He'll be glad to serve you—in the many ways he can!

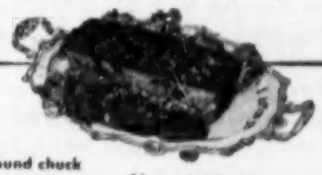
New Conoco Super Motor Oil . . . conquers both major causes of engine wear!

Now! You can protect your car's engine against both friction and acid wear with New Conoco Super Motor Oil. America's first *Double-Duty* oil combines two exclusive discoveries (Oil-Plating® and Oil-Cleansing)—and here's how each works.

Oil-Plating conquers friction wear by "plating" a tough film of lubricant to moving engine parts. Even when your engine is idle, this film "sticks," giving full-time protection against friction wear.

Oil-Cleansing conquers acid wear by neutralizing engine acids the instant they form. What's more, this new additive actually prevents rust, seals dust and dirt in spheres of oil until drained.

MUSHROOM-STUFFED MEAT LOAF



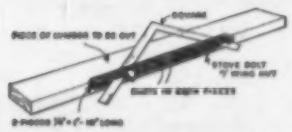
by Mrs. G. A. Scruggs, Box 214, Stevensville, Montana

- ¼ cup butter or margarine
- 1 lb. sliced mushrooms (leave 7 whole)
- 1 teaspoon lemon juice
- 1 minced medium onion
- 4 cups soft bread crumbs (fresh bread)
- 1 teaspoon salt
- ⅛ teaspoon pepper
- ¼ teaspoon dried thyme
- ¼ cup minced parsley
- 2 eggs
- 3 lbs. ground chuck
- 1 tablespoon salt
- ⅛ teaspoon pepper
- ¼ cup milk
- ⅓ cup ketchup
- 1½ teaspoons dry mustard

Make stuffing as follows early in day. Sauté in butter all but 7 whole mushrooms with lemon juice and onion. Add bread, then next four ingredients. Beat eggs with fork, mix in chuck lightly, then add next five ingredients. Pack half of chuck into 10 x 5 x 3 loaf pan; pack stuffing on top; then add rest of chuck. Press 7 whole mushrooms on top. Refrigerate. Bake loaf 1 hour, 10 minutes in 400° oven. If desired, brush top of loaf with heated currant jelly. Makes 8 servings.

SHEARS FOR RECIPES! Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. L, Conoco Cafeteria, Ponca City, Oklahoma. For every recipe published with your name, we'll award a pair of Wiss Pinking Shears, worth $8.95. All recipes become the property of Continental Oil Company.

Accurate Angle Marker



When cutting lumber, sheet metal, etc., at an angle, an accurate marking job is simple with device shown. Two thin boards, slotted and clamped with wing nut, are all you need. From Frank Chido, RFD #7, Des Moines, Iowa.

Save for Ideas!

Send your original ideas to *The Tank Truck*, Dept. L, Continental Oil Company, Ponca City, Oklahoma. If your idea is printed, you'll get a genuine D-15, Henry Disston Hand Saw, worth $10.25. All ideas become the property of Continental Oil Company.

Millions agree: There's just no substitute for Conoco Super Gasoline with TCP

Here's what happens when you fill up with Conoco Super Gasoline with TCP—the greatest gasoline development in 31 years. You get 15% more engine power, extra gas mileage, all the benefits of an engine tuneup (*without* the expense!) and 150% longer spark-plug life. You get *all* these benefits whether your car is new or old. This week, try a tankful of Conoco Super with TCP—an astonishing *new kind* of gasoline!

PRODUCTS YOU CAN DEPEND ON!

CONOCO

- New Conoco Super Motor Oil
- Conoco HD Oil
- Conoco Super Lube
- Conoco Kerosene
- Conoco Super Gasoline with TCP*
- Conoco Tractor Fuel
- Conoco Diesel Fuel
- Conoco Gasoline
- Conoco Transmission Oil
- Conoco Pressure Lubricant
- Conoco Anti-Freezes

*Trademark owned and patent applied for by Shell Oil Company. ©1955. **CONTINENTAL OIL COMPANY**

NOW... A REVOLUTIONARY NEW VICTOR "HORMONIZED" SUPPLEMENT with STILBESTROL

NOW . . . STILBESTROL has been harnessed to VICTOR FEEDS. What does this miraculous new ingredient mean to you? It means feed cost reduction . . faster beef gains. In plain language . . . MORE PROFITS! In this day of spiraling beef production costs . . . this is good news. VICTOR IS proud to have this revolutionary new feed.

Would you believe it . . . the amount of STILBESTROL required per pound of feed is about the size of the head of a pin! How can this small, but potent, ingredient be "mixed-in" so each bag contains the prescribed amount?

The STILBESTROL is furnished in a pre-mix. VICTOR puts the pre-mix into the feed with the control Mother Nature would have exercised had it been her responsibility. Scientific blending and rigid laboratory control . . . will be your assurance that each bag is uniform.

What is the right level of STILBESTROL per 100 pounds of feed? Too low a level will not produce desired results. Too high a level could be harmful. With STILBESTROL costing about ⅔ the price of gold, ounce for ounce, the right level is doubly important. Research and testing have given VICTOR the answers. You will know you're getting the right level in your VICTOR feed . . . at a cost which figures just a few extra dollars a ton.

VICTOR FEEDS with STILBESTROL are more than feeds with a new ingredient. They're more than that—MUCH more! A STILBESTROL feed deficient in other essential nutrients will not give you the results you have a right to expect. It is the proper BALANCE of STILBESTROL with other essential nutrients that combine to bring you a great new VICTOR feed.

WHAT IS IT?

A special VICTOR Dry Lot Supplement formulated with STILBESTROL . . . the potent synthetic hormone that is contained in the pre-mix STILBESTROL.

WHAT WILL IT DO?

Tests with STILBESTROL at Iowa State College conducted on fattening cattle show:

- Greater Gain—Average 19 per cent
- Feed Cost Reduction—Average 11 per cent
- Increased Appetite—Average 5 per cent

HOW CAN IT BE FED?

It will fit into any cattle feeding program—wintering rations, high roughage rations, or high corn rations.

• • • •

"The most significant development since antibiotics were introduced in hog feeding",
says Dr. D. I. Card, Director of Research and Nutrition, The Crete Mills

VIC SAYS..."LOOK FOR IT IN THE NEW GREEN VICTOR BAG"

VICTOR FEEDS

THE CRETE MILLS . . Division of the Lauhoff Grain Co. . . CRETE, NEBRASKA

Tips For January

Here are some timely farm management suggestions from Francis A. Kutish, Iowa State College agricultural economist.

IF YOU HAVE kept a set of farm accounts, you'll find that making out income tax returns is a lot easier. If you haven't, make a New Year's day resolution to start now.

▼ ▼ ▼

YOU CAN USE your accounts to make sure your farm business expenses are all included. It's easy to forget those little expense items. But by the end of the year they can add up into large expense amounts.

▼ ▼ ▼

HERE ARE SOME of the records that you should keep: Expenses, receipts, livestock production records, crop production records, and a depreciation list for machinery, buildings and fences.

▼ ▼ ▼

DID YOU do as well as you could have last year? Perhaps your business wasn't large enough. From 40 to 60 percent of total income goes for expenses on most Iowa farms. You must have a large enough farm business to leave you a satisfactory net income.

▼ ▼ ▼

WERE YOUR CROP yields high or low for your neighborhood? It costs practically as much per acre to grow and harvest a small crop as a large one.

▼ ▼ ▼

HERE'S THE WAY a Johnson county, Iowa, farmer helps keep his accounts up. He jots down all expenses and incomes on a pad by the kitchen door just as soon as he enters the house. Twice a month, he transfers to the farm accounts.

▼ ▼ ▼

A DALLAS COUNTY, Iowa, farmer keps each month's bills and receipts in a large envelope. He totals them up each month. Then at the end of the year, he bundles up the 12 month's supply and saves them for future reference.

▼ ▼ ▼

SPRING SEEMS a long way off. But the days will slip by faster than we expect. Check over and grease your machinery. Order any repair parts needed. Be ready to roll as soon as spring opens up.

▼ ▼ ▼

WINTER ALSO'S a good time to get caught up on the latest in farming. Read farm magazines carefully. Check with your county extension director. He has a supply of the latest bulletins on farm research.

▼ ▼ ▼

WRITE IOWA STATE College bulletin office, Ames, Iowa, to have your name put on the mailing list for Iowa Farm Science. This monthly publication reports the latest research at Iowa State College. It's free to Iowans. Costs $1 per year if you live outside of Iowa.

Baby chicks hatch every day in full view of thousands of visitors, in the Museum of Science and Industry in Chicago. It's one of many interesting features of Swift's dramatic exhibit FOOD FOR LIFE.

FOOD FOR LIFE...Takes City People to the Farm

Here's the new way of taking folks "out to the farm" . . . to show them the important part that farms and farmers play in their lives.

Actually, it doesn't take city folks to a real farm. Instead, they see Swift's exhibit—FOOD FOR LIFE. We've called it FOOD FOR LIFE because it tells about the business you and we are in.

The story begins with the soil—it ends with healthy, happy, and well-fed people. All sorts of moving and "talking" displays drive home mighty important facts about the complicated job of producing food which many folks "take for granted."

For both the farm and city consumer, FOOD FOR LIFE stresses right eating and good nutrition. After all, when people know more about right eating they will be better buyers of the foods that contribute to health, strength and longer life. And, this will create a bigger demand for your products.

We think this is a good way to make friends in the city—for farmers and ranchers and meat packers. We would like you to see it, too. Whenever you are in Chicago, stop in at the Museum of Science and Industry—visit FOOD FOR LIFE. We believe you'll like it.

SWIFT & COMPANY
UNION STOCK YARDS, CHICAGO, ILLINOIS

Each day more than 5,000 visitors from all over the country see this dramatic story of farming, food, and right eating.

The story begins here—with the soil, and how farmers must care for it to produce the food for the people of America.

Animals always fascinate city people. Many are genuinely amazed at the scientific know-how that farmers must have.

NUTRITION IS OUR BUSINESS

MoorMan's Announces

A New 1955 Model CoxiCurb Chick Mintrate

with

3 MAJOR IMPROVEMENTS

1 Greater growth stimulation—through the use of a supplement with a higher antibiotic activity.

2 Better coccidiosis control — through the use of a more effective coccidiostat.

3 Now supplies Vitamin K—to provide maximum protection against possible hemorrhagic conditions, sometimes caused by influences such as disease, exposure, debeaking, dubbing, or other stresses.

These improvements are the result of research on more than 85,000 chicks, and many field tests under typical farm conditions. For MoorMan Research is constantly on the move to produce improved products that, in turn, will make greater profits for MoorMan customers.

Last year, even before these improvements, thousands of flock owners reported amazing results with 1954 CoxiCurb* Mintrate* for Starting and Growing Chicks. Here is the story of 100 typical feeders:

- . . . **AT 8 WEEKS OF AGE the average cost per pound of gain was only 12.1358c.**
- . . . **TOTAL FEED PER POUND OF CHICKEN averaged 2.3075 lbs.**
- . . . **TOTAL "OUT-OF-POCKET" COST to produce a pound of chicken averaged only 7.587c.**

COXICURB CHICK MINTRATE WAS THE SENSATION OF 1954! HERE ARE 7 REASONS WHY *IMPROVED* MINTRATE CAN MAKE MONEY FOR YOU IN 1955

1 You spend fewer dollars from your own pocketbook. For, to make your Mintrate Starting Ration you simply combine 200 lbs. of your own corn with 100 lbs. of Mintrate. Thus you buy, off the farm, only 1/3 of your chick starter. The other 2/3 you have— and buy from yourself—cuts your feed bill substantially—cuts your out-of-pocket cost in half.

2 When you combine Mintrate and corn you are not just adding more feed to grain you already have. You are actually getting more feed value from that grain.

3 Your corn and MoorMan's Mintrate combine to make the highest energy, lowest fiber chick starter procurable anywhere—one of the big reasons for high feed-conversion efficiency.

4 Your ration is ALL CHICK-NOURISHING FEED—no valuable ingredients have been removed from your grain. Corn and Mintrate make a high-energy ration containing less than 3% fiber.

5 The high efficiency, the low cost gains, the fast growth of Chick Mintrate starter rations are consistent — have been proved by thousands of MoorMan customers on millions of chicks during the past 5 years.

6 And CoxiCurb Chick Mintrate produces thrifty flocks. It also contains an ingredient to help prevent serious death loss from coccidiosis.

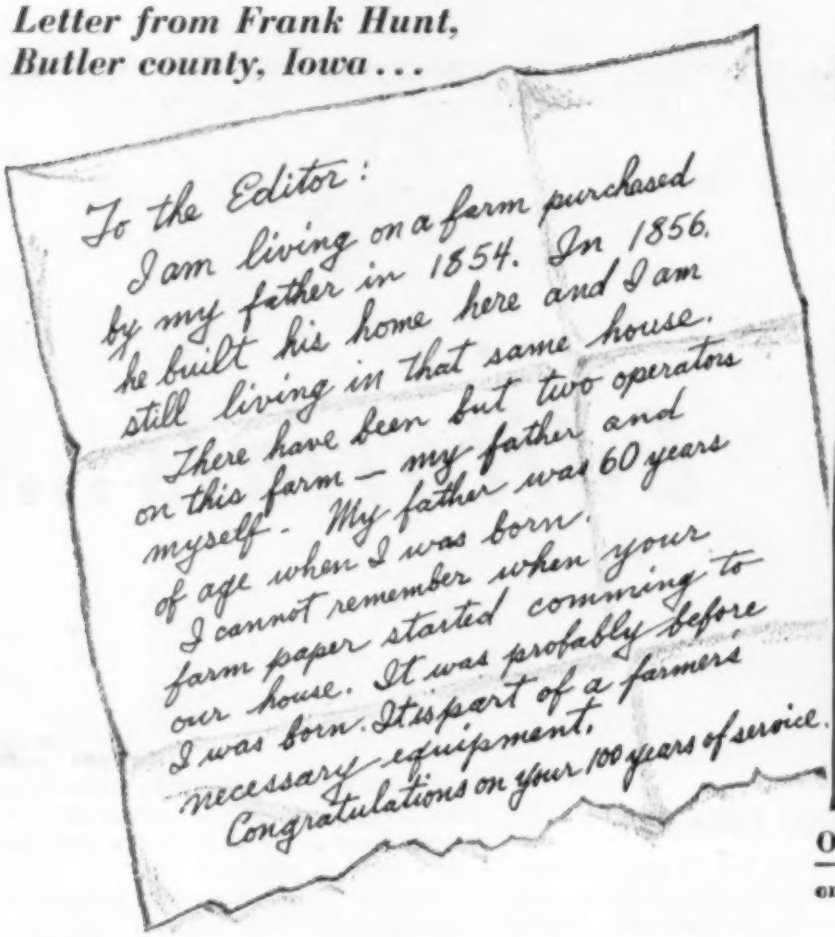
7 Easiest to use concentrate on the market. Combining corn and Mintrate is simple and easy.

MoorMan's CoxiCurb Mintrate is a completely mineralized vitaminized protein concentrate with an antibiotic feed supplement added. 100 lbs. of Mintrate combined with 200 lbs. of your own corn multiplies the feeding value of that corn—gives you a low-cost chick starter that makes more chicken on less feed.

Call or see your MoorMan Man today —or write Moorman Mfg. Co., Dept. S51, Quincy, Illinois for prices and full details.

MoorMan's*
(Since 1885)
MINTRATES, MINERALS
and
Parasite Control Products
*Trademark Reg. U. S. Pat. Off.

Letter from Frank Hunt, Butler county, Iowa . . .



To the Editor:
I am living on a farm purchased by my father in 1854. In 1856 he built his home here and I am still living in that same house. There have been but two operators on this farm — my father and myself. My father was 60 years of age when I was born. I cannot remember when your farm paper started comming to our house. It was probably before I was born. It is part of a farmers necessary equipment.
Congratulations on your 100 years of service.

Old lantern held by Frank Hunt was carried by his father, Heman Hunt, in the sixties. Mr. Hunt stands in one of the rooms of the original house, built in 1856, and still in use.

Boom hit Iowa in 1855

. . . *Hogs were $5.32!*

YOUR grandfather—or your great-grandfather—may have come to Iowa about the same time this farm paper did.

The paper started in Racine, Wisconsin, in 1855 and moved to Dubuque in 1856.

How long have your folks taken the Iowa Homestead? Many are like Frank Hunt of Butler county, Iowa, who says: "I can't remember when your farm paper started coming to our home. It was probably before I was born."

What was happening in 1855? What kind of a world was the new farm paper born into?

Burlington was the metropolis of Iowa with a population of 7,310. Southeastern Iowa had the most people, but there were 6,634 at Dubuque and 300 at Maquoketa.

Pioneers were pushing up the river valleys into the interior. They stayed near the streams for wood and water. Prairie land was second choice.

In the nation, altho few guessed it, the civil war was getting closer. Just the year before, in 1854, the Kansas-Nebraska bill had been passed. This repealed the Missouri Compromise which for years had kept north and south in a more or less peaceful co-existence.

But in 1855, the knives were coming out. And there was blood on the ground.

Northerners were going west thru Iowa to rescue "bleeding Kansas." Missourians were streaming across the border to Kansas to do the same thing—but for another cause.

It would be another year before old John Brown stopped at the James Doyle farm on Pottawattamie Creek in Kansas one night, broke into the house and dragged Doyle and his two sons out of bed and into the yard.

When it came light, Mrs. Doyle found her husband with two bullets in him, dead. The two boys were dead too. Their heads had been split open with a cutlass.

In 1855 war was coming, but few knew it. What the pioneers knew was that crops in Iowa were good, and that wheat was priced high. And land was only $1.25 an acre. If you could pick up a veteran's land warrant at a bargain, you could get land for less.

Folks came west in different ways. Heman Hunt, for instance, took a steamer down the Ohio and up the Mississippi. He got to Keokuk just in time for the fall freeze-up.

So he walked the rest of the way to Shell Rock. He knew other folks from Ohio were there. It was a long hike and not much to eat—crackers and cheese mostly.

His daughter-in-law recalls that ever after, when crackers and cheese were on the table, the old man would say, "No thank you, I've been to crackers and cheese."

How did folks farm then? Back in Ohio and Illinois, the McCormick reaper was taking hold. And primitive threshing machines were being tried out.

But on the Iowa frontier, you still cut wheat with a cradle and threshed it with horses or a flail.

Farmers got the land in wheat as quick as they could. It was a good cash crop. Hogs they slaughtered at home in winter, loaded up sleds with the stiff carcasses and hauled them to market.

What were farm product prices like then? Pretty good. Hogs averaged a little over $5.00, almost twice the 1851 rate. Wheat was a terrific price, $1.21 a bushel.

It looked like good times for farmers in 1855. It seemed as if all they had to do was to break the sod, bring in livestock, split rails, build houses and barns, raise a crop and then collect good prices.

They were wrong, of course. Prices dropped. In 1857, wheat was down to 56 cents. Hogs dropped to $3.30 by 1859. It was not until war time inflation in 1866 that wheat came back to 1855 levels.

This was the way things were going when Wallaces' Farmer and Iowa Homestead was born.

Your great-grandfather took the farm paper, just as you do. And read it. And stopped to say to his wife: "It says here that new horse-reaper is doing all right in Illinois. If the hogs sell good, maybe we could get one next year."

—100 Years Old—

1855—"Wisconsin and Iowa Farmer and Northwestern Cultivator" started at Racine, Wisconsin.

1856—Moved to Dubuque. Name changed to "Northwestern Farmer and Horticultural Journal."

1861—Moved to Des Moines.

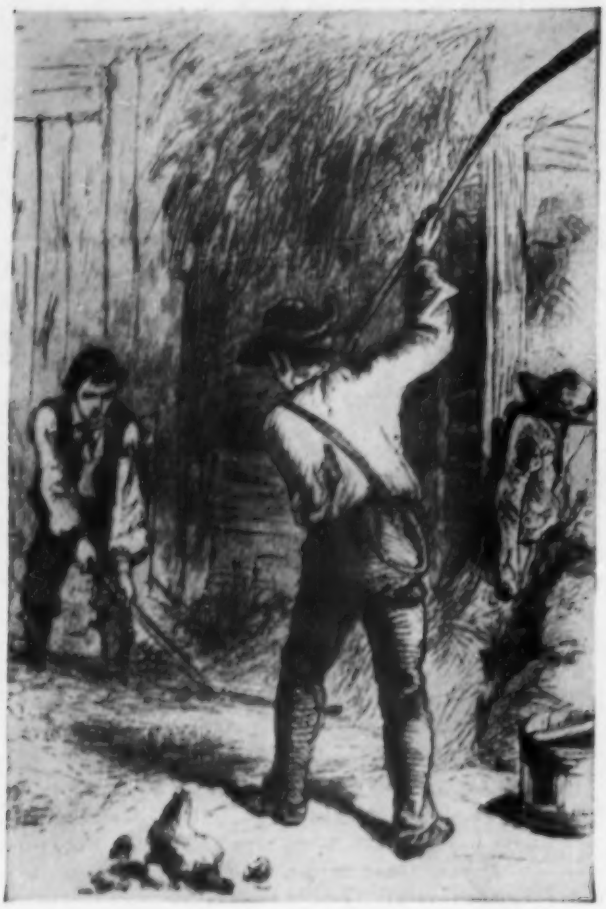
1862—Name changed to "The Iowa Homestead and Weekly Northwestern Farmer."

1883—Henry Wallace became editor.

1885—James M. Pierce became publisher.

1895—Wallaces' Farmer began publication.

1929—Wallaces' Farmer and Iowa Homestead combined.



Editorials...

To make bread...

The pioneers earned their bread by the sweat of their brows. Especially wheat bread.

Back in 1855, there were primitive threshing machines in action in the older sections. But on the Iowa frontier, wheat was tramped out by horses or flailed out by men.

Corn was turned into bread a little easier. Sometimes an early settler shelled a few ears and ran the kernels thru a coffee mill. That was the start toward getting corn pone for breakfast.

Wallaces' Farmer and Iowa Homestead—then called by another name—was read 100 years ago by a few hundred farmers who used the flail and the ox team. Today more than 300,000 families—two-thirds of them in Iowa—read it.

Allan Kline Resigns

ALLAN KLINE'S resignation as president of the American Farm Bureau Federation came as a shock to most Corn Belt farmers. He had a year more to serve on his present term, but his doctor told him he had to quit.

Kline has done much to swing the Bureau over toward support for expansion of international trade and toward more sensible handling of monetary and fiscal policy. Wallaces' Farmer and Iowa Homestead hopes that his health may improve so he can continue to be of further service in these fields.

New Draft Plan

WOULD YOUR boy rather go into the army for six months and then drill at home once a week for another nine and one-half years? Or go in for two years and then drill once a week for another four years?

Neither plan sounds good to farm people, but this is what the Pentagon is asking.

Ideas Take Hold

IF YOU WANT to put across a new method in farming, pick a mixed farming community. That's what Wisconsin sociologists found.

If one neighborhood is all German-Catholic, or all Norwegian-Lutheran or all Anglo-Methodist, new ideas won't get very far. If a community is made up of cousins, uncles and other close relatives, new ideas have a hard time too.

But if the neighborhood is mixed, with Catholics, Lutherans, Methodists, Yankees, Germans, Norwegians all scattered around, the chances are good for new ideas to take hold.

The new ideas checked in this survey covered lime and fertilizer use, cow testing, new mechanical equipment and pasture improvement.

Communities are getting more and more mixed these days. Some folks regret it. "Uncle Tom sold out to some new people. The neighborhood is changing fast." But this kind of change can be a good thing.

Danger for livestock

Cut in feed loan rates and free use of diverted acres may lower livestock prices

THE present farm program is trying to shift the cotton and wheat surplus over into livestock. That's the big danger for Corn Belt farmers in 1955 and 1956.

This year every farmer who takes land out of wheat can put it in corn if he wants to. If he doesn't put it in corn, he'll probably put it in some other feed crop.

Cotton and tobacco farmers can put their diverted acres into feed crops too. A farmer in the corn program can put his diverted acres into any feed crop except corn.

So 1955, with average weather, will see a big increase in feed crop production. And 1955 also will see a decided drop in feed crop prices. Part of this will be the result of the big acreage. Part will be the result of a new policy on loans.

THIS year oats, barley, grain sorghums and rye will be supported at 70 percent of parity instead of at 85 percent. Corn will probably be around 88 percent of parity in the commercial corn belt, and lower outside.

We'll see less feed under loan in late 1955 and more on the market or going into livestock. This will produce lower prices for "free corn" and for other feeds. It will stimulate feeding of this cheaper grain to hogs, poultry, dairy cattle and other livestock.

The new policy looks toward a big boost in livestock production. Since we now have a poultry surplus, a milk surplus and are headed toward a hog surplus, this is bad news.

WHAT can be done to head off real trouble for livestock producers? Wallaces' Farmer and Iowa Homestead suggests three things:

1. **Expand the school lunch program so that 100 percent of the school children instead of 30 percent get its benefits.**
2. **Revive the food stamp program. See that 10 million people now underfed get a chance to eat meat, milk and eggs.**
3. **Support livestock products at a moderate level—perhaps at 75 to 80 percent of parity, seasonally adjusted — and back up these supports with production payments. Let consumers eat up any surplus. Don't store and waste it.**

Other remedies are possible. But the main point is that farmers and the nation should realize the situation and take steps to deal with it.

Arguing the point. Currier and Ives, 1855. (Drawings on pages 1, 4, 10, 11 from the Bettman Archive.)

"You're wrong, Sam"

Who'd think there was time for politics on the frontier? With cabins to put up, fences to build, sod to break, wolves to fight off and livestock to protect, would anybody in 1855 ever stop to argue about squatter sovereignty or the next election?

The answer is: Yes. Most everybody argued. In 1855, the struggle between slave and free state men in Kansas was reaching a crisis. John Brown's raid on Harper's Ferry was only a few years away.

Early farm papers argued too. While the editors talked most about the deep, rich soil of Iowa and urged more people to come west, they also stopped to debate the issues that were building up to the Civil War.

Odds and Ends . . .

. . . MOST OF the prophets say that net farm income in 1955 will be a little under 1954. But some add that a stronger federal farm program could improve the picture.

. . . BY 1965 the nation should be eating 21 percent more farm products. But at the rate farm production is galloping along, we may have a 25 percent increase in production by that time.

. . . MILK PRODUCTION continues to be higher than a year ago and much higher than the 10-year average. Farmers aren't culling herds at present prices of cattle.

. . . YOUNG FARM people in many sections have been moving to the cities unusually fast. In the period 1950-54, 35 percent of the young men in the 20-24 age group left the farm. More unemployment in cities may stop this movement.

. . . MORE FOOD is being raised in many countries that used to import grain. Mexico, formerly an importer of wheat, now is raising almost as much as is needed.

. . . IOWA'S FARM product sales were running two percent higher in 1954 than in 1953 when reports for the first 10 months were compiled. Nationally, farm product sales were down 3.5 percent for the same period. For the first 10 months of 1954, Iowa led the nation with California second.

. . . IN WISCONSIN, the Agriculturist found one farmer who had read the paper for 72 years. Who holds the record for longest reading of the Iowa Homestead?

. . . WRITES AN IOWA subscriber: "Every farmer should appreciate your stand on social security for farm operators."

. . . DURUM WHEAT is in short supply. Wheat section of the farm law may be amended to permit liberal production of Durum this spring.

. . . FROM 1940 to 1950, there was a 33 percent drop in the volume of hired labor used on Iowa farms—but an 88 percent increase in the number of tractors.

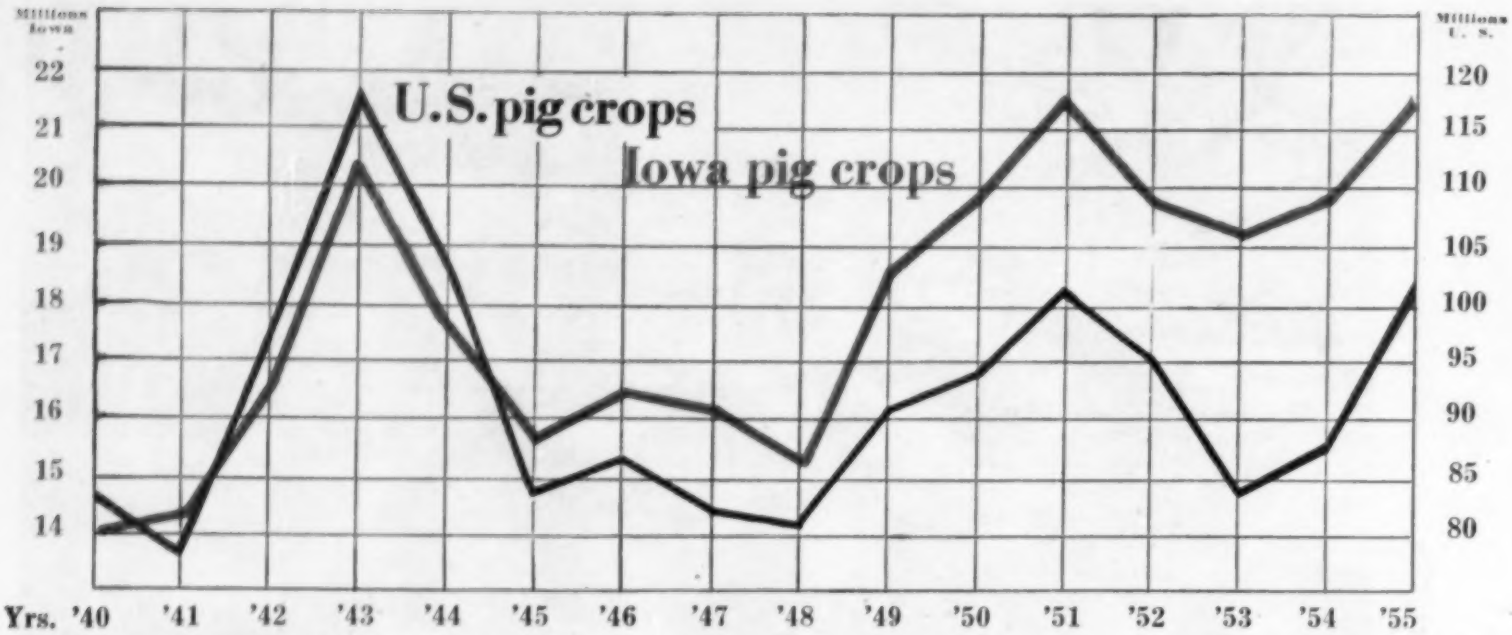
. . . NEW SCHOOL milk program is going great guns in most states. Wisconsin reports an 87 percent increase in milk consumption over the same period in 1953.

Song of the Lazy Farmer

I'M SURELY glad that I'm alive to welcome nineteen fifty-five; the new year finds me full of pep. I'm bright of eye and quick of step, and

I'm resolved to pitch right in and waste no time 'fore I begin the jillion things I want to do before the next twelve months are thru. The hired man is pretty good but don't do lots of things he should; to get things done efficiently requires the master's hand, by gee. And old Mirandy's lost her zest; she needs to get a lot more rest, so I'll just stir my youthful legs to feed the hogs and gather eggs.

On second thought, perhaps 'twould be the wisest to move gradually. Mirandy might feel awful glum if I should hint she's slowed down some; should I switch habits overnight there's danger that the old gal might get sick with shock, or worry that I'd gone crazy as a bat. I want to spare her all I can, so I had better change my plan and ease back into harness slow; I'll try another month or so to keep my vigor under wraps and take my usual daytime naps; that way, if my pep disappears, I'll cause nobody undue fears.



Green line and green figures indicate Iowa pig crops for years shown at bottom of chart. Note how Iowa pig numbers have increased in 16 years.

Iowa and U. S. hogs for market in calendar years, 1940-1955

Black line and black figures indicate U. S. pig crops for years shown at bottom of chart. Notice the climb toward a new peak near that of 1951.

Market hogs near peak in '55

Record total from Iowa farms

THE increase in hog numbers which began in mid-1953 has slowed down. But it hasn't stopped.

Farmers say they will keep five percent more sows for 1955 spring pigs than they kept one year before.

And 1954 fall pigs now on farms are up 15 percent over last year.

From these two pig crops, farmers of the nation will market over 95 million hogs this year.

That number of hogs for market has been exceeded in only two peace-time years. And in only four years including both war and peace times.

Iowa farmers will probably market more hogs in 1955 than they have ever marketed in one year. Only 1951 was real close to prospective 1955 totals.

These pig crop estimates come from the regular December Pig Crop Report. Farmers make the estimates thru rural mail carriers. The report is made twice annually, in June and December.

Farmers make the estimates as of December 1. And in the case of 1955 totals, pig numbers are figured from the number of sows farmers say they intend to keep for spring pigs.

The chart at the top of this page shows hogs for market in calendar years from 1940 to 1955. Calendar year totals include fall pigs of one year and spring pigs of the next.

In what areas are farmers still pushing pig crops up? This time the increase is pretty even. In Iowa, in the Corn Belt, and in the nation as a whole, the spring pig crop will go up around five percent.

For Iowa, the total hogs to be marketed in 1955 will be around 21.2 million head. That compares to the previous record of 21.1 million in 1951.

The 21.2 million Iowa total will be made up of 14.3 million spring pigs and 6.9 million fall pigs. Increase over 1954 for Iowa is five percent for spring pigs and 13 percent for fall pigs.

Iowa farmers' portion of the national hog crop will be over 22 percent. This percentage has been rising since 1945 as you can see on the chart.

Important point to hog men is the distribution of marketing thru the year.

Comparison with 1954 would indicate that market hogs might flood the market in the first half of this year. Fall pigs for the nation are up 15 percent and spring pigs up five percent.

But these percentages are deceiving as the 1953 fall pig crop was comparatively small.

When pig numbers are compared with the 10-year average, 1944-'53, the distribution between fall and spring pigs is found to be about normal.

Spring pigs for the nation are up eight percent from the 10-year average. Fall pigs are up seven percent.

So the flow of hogs to market in 1955 may be more balanced thru the year than for last year. You'll remember that scarcity of fall pigs pushed the market price above $27 in April. Then prices fell $8 or $9 by December.

The flow of hogs to market will be heavy, however, all thru the year. Hogs will never be scarce. But the seasonal changes in supplies may be more nearly normal than for 1954.

Farrowings indicate, however, that the trend toward earlier fall and spring pigs is continuing. In Iowa, 58 percent of the fall pig crop was farrowed before September.

That indicates markets will begin to get last year's fall pig crop very early this spring. However, the Iowa Crop and Livestock Reporting Service expects only three percent more Iowa hogs to be marketed this January than last January.

Will this be the year of peak hog production and low prices which comes regularly in the corn-hog cycle?

That depends on consumer demand for meat and how farmers feed and market the big hog crop. National hog totals are at the danger point for hog profits, according to the history of the hog market.

It looks like a good year to sell extra sows for spring pigs, or to sell some of the poorest or latest farrowing sows. And to market hogs at light weights.

Marketing pattern for hogs

National totals	1955	1954	'44-'53 Av.
January-June (fall pigs)	36,766,000	31,809,000	34,279,000
July-December (spring pigs)	59,000,000	55,752,000	54,602,000
Totals for year or period	95,766,000	87,561,000	88,881,000
Iowa Totals			
January-June (fall pigs)	6,915,000	6,095,000	5,362,800
July-December (spring pigs)	14,300,000	13,519,000	12,657,300
Totals for the year or period	21,215,000	19,614,000	18,020,100

KEEP RECORDS on your laying flock. They can show profit or loss from eggs, can help pinpoint weaknesses in flock management.

CUT PRODUCTION COSTS per dozen eggs to increase net profit from your laying flock.

Produce only HIGH QUALITY eggs. Consumers will pay a few cents more for high quality eggs.

SELL EGGS by grade or directly to consumers. Study all possible markets for better prices.

Keeping **records should be a daily poultry chore. The Clarence Hagans, Jefferson county Iowa, record daily egg production.**

More $$ from eggs

EVERYBODY has eggs to sell. But egg prices are low. So low that many egg producers say they are losing money.

And you won't find very many midwest poultrymen who claim they are making a lot of money.

What can an egg producer do on his own farm to help in a situation like this? Stepping up efficiency all along the line will help. Consider these four points:

1. Keep laying flock records.

Accurate laying flock records are the first step in good management. Good records help tell you whether you're making or losing money on your eggs.

Good records will show more than just the total of eggs laid. They should show how many eggs you get each day, number of cracks and dirtys, how much time you spend cleaning eggs, how much time feeding and watering hens, amount and kinds of feed consumed.

Good records can help you spot weak points in your flock. For example, high feed costs may call for a change in your feeding program or some strict culling of non-layers.

2. Cut production costs.

"You have to get top egg production for top egg profits," says Merrill Fredrichson of Plymouth county, Iowa.

Fredrichson tries for high production with low feed costs. He has his flock up to 85 percent production. By feeding home-grown grain with commercial mash, he has kept his feed cost down to an estimated 17 cents per dozen.

Mrs. John McInnis, Plymouth county, Iowa, says, "Feed costs a lot of money nowadays, but chickens must have good feed if they are going to make any money."

"You can't cut feed costs by skimping on quantity or quality of the feed. A balanced feeding program is essential in profitable egg production," Mrs. McInnis adds.

Preventing feed waste is one way to cut feed cost per dozen eggs. Walter Lechtenberg advises. "Don't fill the feed hoppers so full that birds bill it out of the trough. Feed doesn't produce eggs when it is lying in the litter."

You may be feeding expensive chicken feed to rats. Check the laying house for sign of rats. "We noticed an immediate feed saving after we eliminated the rats from our farm," Mrs. McInnis says.

Another way to cut feed cost per dozen eggs is to cull non-layers from the flock. It costs about 25 to 30 cents per month to feed a non-layer.

When egg prices are low, cull closely. Try to keep egg production up to 75 percent or better.

Hens must have plenty of clean water if you expect top efficiency from your chicken feed.

3. Produce only high-quality eggs.

Healthy hens lay high-quality eggs. If the quality of your eggs is low, better start checking.

Dirty eggs cause a loss in quality. This means you must spend time cleaning them or sell them for lower prices.

If you have a lot of dirty eggs, check for the cause. Maybe the laying house litter is wet. Hens will track dirt into the nest if the litter is wet.

Ventilation will remove the warm, moist air from the laying house and replace it with fresh, dry air.

Insulation in the laying house walls and ceiling will prevent sudden temperature changes inside the laying house. Sudden changes in the inside temperature may cause moisture condensation.

Dropping pits help keep litter dry. Chicken droppings are moist and will cause wet, dirty litter unless deposited in a pit.

Area around water fountains often gets messy. Replace litter often there.

Dirty nest litter will cause dirty eggs. Replace nest litter when it gets dirty from broken eggs or droppings.

Gather eggs three or more times each day. Leaving eggs in the nest for other hens to walk and sit on lowers quality.

Cool eggs quickly after gathering. Wire baskets allow air to circulate thru the eggs to remove the heat.

Pre-cool egg cases before packing eggs. Place eggs in case with small end down.

Store eggs in cool, moist room until marketed.

Sell eggs at least twice a week.

4. Sell eggs by grade or direct to consumer.

Price difference between large grade A and current receipt eggs in Iowa was from four to 17 cents per dozen in 1954.

Selling eggs direct to consumers is probably the most profitable method of marketing eggs. Maybe you can develop an egg route in your town. Or maybe the customers will drive to your farm to buy eggs if the quality is high.

You don't have to "baby" these loaders... they're made by FARMHAND!

THE FARMHAND NAME on a loader assures you of the *right combination* of simple design, easy handling, rugged construction . . . and low price. Keep this in mind when you buy your next loader. The Farmhand *Standard* Loader, shown above, is hard to beat for fast, low-cost loading. You can dig right in, tear loose big loads, swing around and dump . . . quickly, safely. The *Standard* features powerful 2000-lb. lift capacity, plus 12-ft. full-reach lift. The heavy channel steel frame, 3" lift cylinders and rugged 14-cu. ft. bucket stand up under heavy, year-'round use.

BIG LOADING JOBS are a breeze with the husky Farmhand *Universal* Loader. It fits both row-crop and adjustable wide-front tractors. The box-section lift arms and 3" lift cylinders handle 2500 lbs. with *complete safety*. The 12-ft. full-reach lift lets you load high spreaders and wagons from one side with no unnecessary maneuvering. You save time and labor on every job.

DO MORE JOBS—Farmhand Loaders have the *versatility* you've always wanted in a loader. Slip the 22-cu. ft. Detachable Scoop over the Manure Bucket and you're ready to make *quick* work of handling snow, ear corn, silage, any bulky materials. Many Farmhand owners use their loaders to speed up *silage handling* from trench or bunker silo to mechanical feeder.

See your local Farmhand Dealer for prices and demonstrations!

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A Division of Superior Separator Company

Workday pointers

PLENTY OF BEDDING may prevent some cases of mastitis in dairy cows.

▼ ▼ ▼

AN ACCOUNT BOOK with information about tax laws will make life easier around the first of each year. If you don't have one for 1955, send one dollar to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Your copy will be mailed postage free.

▼ ▼ ▼

DEAD ANIMALS left around barnyards are a threat to livestock health in freezing weather

as well as in warm weather. Burn them, if you can't get rid of them in some other way.

▼ ▼ ▼

TWENTY BROOD SOWS will require about 500 bushels of corn, or its grain equivalent, from breeding to pig weaning time. Also more than 2,000 pounds of protein supplement.

▼ ▼ ▼

BARLEY VARIETIES recommended by Iowa State College are: Plains for feeding, and Kindred for malting.

▼ ▼ ▼

PIG RATIONS with ground grain and protein feed all mixed together have some advantages, says Marion Steddom, Polk county, Iowa, hog raiser. Most important advantage is that you can control the amount of protein pigs eat. With such control, you can adjust protein percentage in feed to the age of pigs. Newly weaned pigs may need a 17 percent ration. After 150 pounds, 12 percent may be plenty.

▼ ▼ ▼

YOU MAY AVOID a car wreck if you remember that winter weather is tricky. Pavement may be dry in one place and icy a few miles away. Watch for the change from dry to icy pavement when weather conditions indicate such a change is possible.

▼ ▼ ▼

BEEF CALVES should get about one pound per day of 40 percent protein supplement, according to Oklahoma tests. Per day feed should be 1½ to two pounds if protein in supplement ranges from 30 down to 20 percent.

▼ ▼ ▼

IF YOU CHANGE COWS from corn silage to grass silage, add one or two pounds of grain daily per cow.

▼ ▼ ▼

CRITICAL STAGE in a pig's life is birth to 50 pounds. Never try to economize on feed or care during that period.

FARMERS' INCOME TAX filing dates are not the same as for others. And you have a choice as to which dates you will use. You can file an estimate January 15 or before. Then your final return can be delayed until April 15. Or you can ignore the estimate filing date. Then you must file your final return by January 31.

▼ ▼ ▼

YOU'RE A FARMER for income tax purposes, if you get two-thirds of your income from farming. So most retired farmers living in towns must follow farmers' tax filing dates.

▼ ▼ ▼

CHEMICAL WEED KILLERS should not be stored where temperatures are below freezing. The liquids won't freeze, say Iowa State College specialists, but the active ingredients may settle in the form of crystals, weakening the solution.

▼ ▼ ▼

GROUND EAR CORN for cattle may be worth as much, pound for pound, as shelled corn. A number of experiments show this result, especially in the early part of the feeding period. So grinding ear corn is an opportunity to sell about 14 pounds of cobs at corn prices with every bushel of corn.

▼ ▼ ▼

BEANS STORED at 12 percent moisture will keep thru summer. But if your beans had 13 to 15 percent moisture when put in the bin, move them before warm weather.

▼ ▼ ▼

CORN FODDER or corn stover makes good bedding for hogs in mid-winter. It's less dusty than straw, and wears much longer.

▼ ▼ ▼

NOW'S THE TIME to make your January 1 inventory of grain and livestock. You'll need it if you use the inventory method of making income tax returns. And

it's a good record to keep anyway. You can't figure how much money you made last year without comparing January 1 inventories.

▼ ▼ ▼

AFRICAN VIOLETS thrive under fluorescent lights. In Ohio experiments, plants were given 18 hours per day of fluorescent lighting with no natural light at all. Flowering was early and plentiful. However, you may have good luck with African Violets by keeping them in east or north windows in summer and west or south in fall and spring. But direct sunlight may be injurious.

How Much Protein Did You Waste— TODAY?

(...Or How Much Money Did You Throw Away?)

It Can Happen to You...

Regardless of how good of a feeder you are, it's so easy to waste protein. Your livestock profit today depends on your feeding cost. The lower your feed bills, the higher your livestock profit. Those of us who make and sell Occo honestly believe that our feeding program will cut your feed costs and make you more livestock profit. And it works regardless if you raise hogs, fattening cattle or dairy cows (even poultry, too).

FOR HOGS

You need three Occo products for your hog raising program. 1. Occo Mineral-Vitamin Supplement (all the vital mineral and trace elements plus 32,000 USP units of Vitamin D per pound). 2. Occo-Lak (a live yeast culture — and scientists point out that yeast contains an unidentified growth factor that does a great job for livestock). 3. Occo-Trate 40 (a low-cost protein supplement that's based on the proper balance of the essential Amino Acids, not just on percentage). With ordinary protein, you pay for protein you can't use — but not with Occo-Trate 40. You don't overfeed protein when you feed Occo-Trate 40.

The Occo program gives cheaper gain because 91% of your feed is farm grown with our program.

FOR BEEF AND DAIRY CATTLE

You need Occo Mineral-Vitamin Supplement and Occo-Lak. If you have good legume hay available you won't have to buy ANY protein. Even if you have only fair roughage, you can still cut down on the amount of protein you buy if you feed Occo.

There's no hocus pocus to it. It's just this. Occo Mineral-Vitamin Supplement and Occo-Lak stimulates the rumen bacteria. Made strong and vigorous by Occo, these friendly little bugs rip into hay, grain or fibrous roughage. They unlock the protein, vitamin and other nutritional elements in this feed. In turn, your cattle can use this protein.

In the case of good hay, enough natural protein is unlocked from the hay by Occo-fed rumen bacteria, that you don't need to buy ANY protein.

Even with poor roughage, these Occo-fed bacteria can make a great deal of protein available. This, of course, means that you buy less protein than in the past.

Remember, also, dairy cows need Occo's minerals and trace elements plus Occo's 32,000 units of Vitamin D per pound.

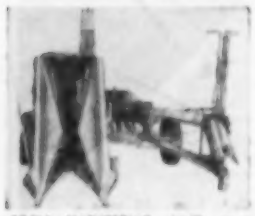
YOUR OCCO SERVICE MAN has full information on how you can save protein and money. In the next few days, he'll visit your place; discuss your feeding problems with him. Remember, he's backed by the full facilities of the Oelwein Chemical Company, for over 40 years manufacturers of top quality livestock supplements.

Occo

OELWEIN, IOWA

Now . . . a new FOX . . . with 20% Greater Forage Harvesting Capacity

HAY HARVESTING UNIT—will pick up, chop and load 2 . . s of dry hay in 12 minutes.



CORN HARVESTING UNIT—gives you a choice of 14 different lengths of cut—from ¼" to 5½"

MOWER BAR UNIT—with 6-ft. mower bar—cuts a full 72-inch swath.

FOX—with 24 years experience building forage harvesters—now brings you its most efficient model. With it—because of its 6-foot mower bar (full 72 inches) you can mow, chop and load tons more grass silage every working day, without increasing tractor speed.

If you've been harvesting 200 tons of grass silage a day—with the new FOX you can harvest 240 tons in no more time and with no more effort. Or, if you've harvested grass silage at the rate of 2 acres an hour, with the new FOX you can step that up to close to 2½ acres.

This new FOX has many other improvements to make forage harvesting faster, easier, more economical. NEW AUGER FEEDER that *pulls* forage on to feed apron and centers it into feeding rolls without bunching. NEW EASY LIFTING MECHANISM adjusts quickly to convenience of operator—finger-tip control; NEW SINGLE DRIVE MECHANISM for all harvesting units. Speeds up attaching and detaching; NEW ONE-PIECE FEED APRON speeds flow of forage into feed rolls.

ALWAYS LOOK AT FOX FIRST BEFORE YOU BUY ANY FORAGE HARVESTER—MAKE IT YOUR BASIS OF COMPARISON.

Note and compare these FOX FEATURES: SAFE CYLINDER-TYPE CUTTING MECHANISM mounted in a one-piece frame—gives a positive, clean cut; cannot get out of line and stones cannot wreck. The *safest* cutting mechanism built. EXTRA-DUTY WELDED FRAME for *added years* of life; QUICK-CHANGE FEATURES that enable one man, in 10 minutes without tools, to change to Pick-Up, Mower Bar or Row-Crop Harvester. KNIFE SHARPENER that quickly sharpens knives *on the machine*. These are but a few of the features that have made FOX the standard of comparison. There are many more. As you examine the FOX part by part—as you see it operate—you'll realize that "in a Fox you get MORE of everything."

SO—SEE YOUR FOX DEALER FIRST. Have him show you the many points of FOX superiority. We're certain you'll agree the NEW 1955 FOX FORAGE HARVESTER is the greatest machine of its type ever built!

FOX RIVER TRACTOR CO.
The Pioneer of Modern Forage Harvesting
1115 N. Rankin St.
APPLETON **FOX** WISCONSIN

FREE—"NEW WAYS TO MAKE MORE PROFIT FROM FORAGE"—An information packed, how-to-do-it booklet to help you slash labor costs and save more of the meat-making, milk-producing nutrients nature puts into grass, corn and sorghum crops. Send for your copy today.

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I want to make more profits from my forage crops. Send me your new book on Forage Harvesting ☐
Also, send detailed information on the New Fox Forage Harvester ☐
Name_____
Address_____
Town_____ State_____
My dealer's name is_____

Make your tax records talk

YOUR tax records can tell you more than how much you owe Uncle Sam for income tax.

With little extra pencil work, you can find out how well you've been farming.

"Cost to income ratio is a good measure," says Herb Howell, Iowa State College farm management expert.

"Top operators are spending about 50 cents for each dollar of income," he adds. "Average farmers are probably spending about 65 to 70 cents for each dollar of income."

Like to know how you stack up? It isn't hard to find out. Just divide your gross cash income into your actual cash expenses. The answer tells you how many cents you spent for each dollar of income.

You'll need to drop out big cash expenses like a new tractor which is a long term investment. And income from crops produced the year before if you also sold this year's crop.

Of course, you have to consider volume, too. A high margin of profit isn't enough if you don't move enough items to make a satisfactory total income. But here's why your cost to income ratio is so important.

Suppose you spend 50 cents for each dollar income. And your neighbor spends 70 cents for each dollar income. He has to sell two-thirds more than you do for the same net income.

But suppose prices drop 25 percent. Now you get 75 cents for each 50 you spend if costs stay the same. And your neighbor—the average operator—gets 75 cents for each 70 he spends. Now he has to sell five times as much as you do to get the same net. You make 25 cents while your neighbor makes only five.

The cost to income ratio from just one year tells only part of the story. Compare the past several years for the best guide. That'll show if your operation is getting more efficient—or if you are just holding your own.

Net income per acre on your farm can be another guide. Both of these figures can be compared with other good farms in your area by using figures from the Iowa Farm Record Summary. Copies for your area are available from the Bulletin Office at Iowa State College.

Suppose you decide you aren't doing as well as you should. Then try separating your fixed costs and variable costs.

Fixed costs are things like taxes, interest, insurance and depreciation. About the same every year and you can't do much to change them.

Variable costs—your operating expenses—are the ones you can whittle down. Of course it takes accurate records to show just where costs slipped out of line.

If you can't tell where you should start cutting, perhaps better records are the answer. First place to start is with a good record book. Then keep it faithfully.

The result can show you how you are doing. And where you can do better.

Our New Record Book

Saves Taxes, Time and Money

Jack Miller is the author of the "Farmers Tax Saver." Mr. Miller is a tax specialist with law offices in Sioux City, Iowa, and Omaha, Nebraska. He has been with the Internal Revenue Bureau. And is past chairman of the American Bar Association's Committee on Tax Problems of Farmers.

HERE'S HOW FARMERS TAX SAVER CAN HELP YOU

1. **Provides 22 pages for writing down farm receipts and expenses. Arranged as in farm schedule.**
2. **Tells you what's taxable, what's deductible. Over 40 pages of income tax explanations.**

AND HERE'S HOW YOU CAN GET YOUR COPY OF FARMERS INCOME TAX SAVER

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Order today. Your copy will be mailed postage free.

Rural Route Ramblings

By R. F. D.

I ALWAYS LIKE to be original, so shall we dwell on New Year's resolutions?

SPEAKING of the horrid things, I should consider making one about cleaning up or out or off my desk. As I type this, I am surrounded by three books from the Classics Club (with bill), a new type storm window (with tape) still to be installed, 16 copies of the Writer's Digest, the top of my portable typewriter case filled with 700 items, two of which are carbon paper and the other 698 unpaid bills, my wife's purse (or rather one of her 73 purses) empty and a desk lamp with a weak bulb.

GETTING DOWN to the subject, always at this time of the year instead of making a new list of resolutions which will be broken immediately, I get out a list I made out in 1932 while a senior in high school which has held out admirably all thru the years. I have never kept one of them. I just type it out again, change the date and hide it in the bottom of the desk drawer until the next year.

THIS YEAR while pawing around for the original, I also found a list which I made in 1933 while a gay dog of 18. On this one I find the cryptic statement, "Never Get Married."

NOW WHAT heartless wench broke my heart during that depression year?

AND WHY? And, also, how and did she know she was doing it at the time?

BUT, WHOEVER she was, I just want her to know that I apparently didn't keep the resolution. And every time I notice my wife and two sons, house (unpaid for), car (unpaid for), and a few other odds and ends, I am even more convinced.

SO LET US close with this thought for the year: Why make new resolutions when you can keep right on breaking the old ones?

Play It Safe!

Be sure the way
Is clear of all
Before you let
That big tree fall.
Beth Wilcoxson

To make farming a better-paying business . . .

THREE YEARS before the Spaniards sank the battleship Maine in Havana harbor, the first V-C Fertilizers were supplied to American farms by a group of small manufacturers who had gotten together and formed a company based on a new idea in the production and distribution of commercial plant food.

For economy and convenience, V-C factories were to be located near the farms they served, and yet each factory was to benefit from the scientific research, skill, experience and facilities of a large organization.

In 1895, the V-C aim was to make farming a better-paying business, by supplying farmers with better fertilizers at reasonable prices through reliable, dependable dealers. V-C could prosper only if the farmers prospered.

Sixty years later, this simple aim still guides V-C policy. With its network of 34 fertilizer factories, its phosphate rock mines, its superphosphate producing units, its research laboratories and its staff of technical experts and agronomists, the V-C organization serves farmers from the Rocky Mountains to the Atlantic and from Canada to the Gulf of Mexico.

Today there is a V-C Fertilizer for every crop on every soil. Each V-C Fertilizer is a rich, mellow blend of better plant foods properly balanced to supply the needs of the crop for which it is recommended.

Through the years, V-C has constantly tested and developed new methods and new materials to bring more and more profit-making crop-producing power to the farms of increasing thousands of V-C customers. And the price of V-C Fertilizers has remained low compared to other things the farmer buys.

Yet, fertilizer is only part of the story of V-C's partnership with the farmer and the soil. V-C has constantly striven to develop new markets for farm products. V-C uses cotton cloth and kraft paper from farm pulpwood to make millions of bags each year. V-C uses nicotine extracted from tobacco in the manufacture of insecticides, the most famous of which is Black Leaf 40®. V-C research has created a new textile fiber from corn, known as *Vicara*®, now found in luxurious apparel for the whole family at fine stores everywhere. V-C uses other farm products in countless ways.

In the years ahead, Virginia-Carolina Chemical Corporation will continue to rally every resource to the job of making farming a better-paying business.

VC® FERTILIZERS
1895 1955
60th ANNIVERSARY

THE NAME YOU CAN TRUST

FELCO is the name you can depend on. FELCO is a cooperative of Iowa's leading farmer cooperatives. As a member of your local cooperative, you and your neighbors own and control FELCO.

FELCO feeds are mixed at your local elevator. You can see FELCO employees mixing the feeds that go to your farm and to your neighbors. The formulas for FELCO feeds have been worked out by expert livestock and poultry nutritionists. They are feed experts who put quality *first*. FELCO feeds mean fast gains and top production from your livestock.

You can depend on the quality in FELCO feeds. Because of this dependable quality, you and other Iowa livestockmen have made your feed, FELCO, the leading feed in Iowa.

But you get more than top quality livestock and poultry rations when you use FELCO. *You share in the cooperative savings.* If you're not now using FELCO, just ask your neighbor who does. Then stop in and visit your local FELCO elevator manager. He'll explain about those top quality FELCO products and how you share in the cooperative savings.

"DO BUSINESS WITH YOURSELF"

Learn more about . . .

Weed control

New methods of chemical treatment show promise in the control of grassy weeds

What's ahead in weed control? Can chemicals give farmers even more assistance in fighting weeds? Weed control experts from Corn Belt and Wheat Belt states met in Fargo, North Dakota, last month to exchange ideas and discuss results of the last year's research. Also attending the meeting was Field Editor Dave Bryant. Here's his report on highlights of the weed control sessions.

IN CORNFIELDS, 2,4-D will knock out most broadleafed weeds. But that results in less competition for grassy weeds. Now for many farmers, grassy weeds are becoming a greater problem.

So weed control experts are trying to find an economical way to control both grassy and broadleafed weeds with chemicals.

In 1954 tests, Ohio workers obtained satisfactory control of both grassy and broadleafed weeds with post-emergence (after corn was up) application of DNBP at rates of one to four pounds per acre. The chemical was applied 10 days to four weeks after planting corn.

DNBP was developed for pre-emergence application. But in the Ohio tests, post-emergence spraying was more effective than pre-emergence spraying.

Another advantage of the later application is that less chemical is required. That lowers the cost of weed control with DNBP—as compared to pre-emergence application.

Post-emergence application of DNBP also looked promising in tests at some other experiment stations, including Iowa. However the practice is still experimental—and not generally recommended, as yet.

• • •

Dalapon, the new chemical that kills grassy weeds somewhat like 2,4-D kills broadleafed weeds, looked promising this year in Illinois tests on established stands of alfalfa.

At rates of four to 10 pounds per acre, dalapon controlled giant foxtail and downy bromegrass, suppressed growth of quack grass and bluegrass and did not damage the alfalfa.

An early spring application of four to six pounds of dalapon per acre looked best for the control of downy bromegrass. Giant foxtail was controlled with applications of four to eight pounds of dalapon per acre—applied immediately after the first cutting.

However it took two or three applications of four to six pounds of dalapon per acre to suppress growth of quack grass and bluegrass effectively. Applications were made early in the spring and again after alfalfa hay crops were removed.

Holding back the grassy weeds resulted in higher yields of alfalfa in the Illinois tests.

In other states, both TCA and dalapon looked promising for grassy weed control in alfalfa, sweet clover and birdsfoot trefoil. However those chemicals cause a lot of injury to lespedeza and red clover, alsike clover and ladino clover.

• • •

There's still no "one shot" 2,4-D treatment that will control Canada thistles successfully. That fact was reemphasized by further testing in 1954. However, repeated spraying with 2,4-D con-

(Continued on page 19)

Converted for sheep . . .

Sheep Drink from 70-gallon hog waterer mounted on platform which raises it to easy drinking height. Waterer is filled directly from nearby windmill pump. Freezing is prevented by a bottled gas burner. On the Roy B. Warrick and Son farm in Mahaska county, Iowa.

"There's a parking place! What's the matter with your eyesight?"

More about weed control

(Continued from page 18)

continued to knock out Canada thistles in experiment station tests.

Some weed control researchers are looking hopefully toward a chemical called "amizol." They say it may become a real help in controlling thistles. But the use of this chemical isn't yet included in recommendations for Canada thistle control.

• • •

Giant foxtail, the kind that grows four or five feet tall and chokes out crops, appears to be moving northward. This weed is no stranger to central Illinois farmers. They've found it's one of the toughest to whip.

Giant foxtail was noticed in southern Iowa a few years ago. And now it can be found in every section of the state. Minnesota farmers now are finding scattered patches of giant foxtail.

• • •

Illinois tests indicate that soybeans can take carefully timed applications of about one-eighth pound of 2,4-D amine without damaging the yield—altho the beans look a little sick for a few days following the application.

This means it might be possible to control such weeds as cocklebur, morning glory, pigweed and giant ragweed in soybeans with the use of 2,4-D. Those weeds are highly susceptible to 2,4-D. However such light applications can't be expected to kill weeds such as smartweeds and velvet weeds.

Soybeans apparently are most tolerant to 2,4-D when they are three to four inches high.

• • •

Missouri tests showed that one application of a weed control chemical was about equal to one cultivation in controlling weeds in corn—almost equal to one cultivation in the effect on the yield of corn. That was when corn received no cultivation, or only one cultivation. However, when two cultivations were made, there was little yield advantage in the chemical treatment.

Chemical treatments tested in the Missouri work included a pre-emergence application of 2,4-D, a post-emergence application of 2,4-D and a post-emergence application of DNBP.

• • •

Chemicals can be a useful "tool" in the control of weeds. But they can't do the job alone. Cultivation and good farm management are key parts of a good weed control program. That fact was re-emphasized at the weed control conference.

three year P.L.U.* investment

PAYS OFF 100%

in first crop year!

PLU means Practical Land Use. Practical Land Use means the application of all the skills and knowledge that will produce the most from each hour and dollar you spend on your farm.

Herbert Eagon (seated) and Soil Conservationist Gerald Solt review Land Use map of Mr. Eagon's Farm. Mr. Eagon wants emphasis changed from corn and hogs to grass and cattle.

Does Practical Land Use Pay?

Herbert Eagon of Delaware, Ohio says:

"I think I can best answer that question by referring to a specific field. This 32-acre field hadn't been farmed for 25 years; half had never been cultivated. Stumps and stones were still in it. Parts were swampy. The first year I put a plow in that field I got a 60-bushel corn crop.

Invests $42 per acre. "In the next three years, I invested $42 per acre in Practical Land Use recommendations. We put in an open ditch for drainage outlets, about 300 rods of tile, 6 tons of lime, and various other soil convervation measures.

PLU Pays off 100%. "The third year I harvested 2½ tons of hay on the first crop, and allowed the second crop to come to seed. I harvested a bushel and three-quarters of clean seed per acre, which that year sold for $30 a bushel wholesale. I got back $45 per acre from just that one seed crop.

Production continues high. "The following year I put the field back to corn, and it yielded, on official test, 99.5 bushels per acre. We have figured out that for a dollar and a half per acre per year we can maintain or improve the present level of productivity. It couldn't be done except for Practical Land Use measures that have been applied."

Practical Land Use can improve *your* farm; your standard of living, too. Your Red Brand fence dealer can tell you how. He'll show you the book, "Willing Acres" which tells you the Practical Land Use story—what it is, how it works, what it does, what you must do. You're under no obligation.

Ask your Red Brand Dealer for a copy of the Practical Land Use Broadcaster. It's filled with interesting stories about PLU farmers and new, helpful farm features.

Listen to the Practical Land Use radio programs every week. See your newspaper for time, station.

Now's the time to get ready for Spring fence building. Build with the best—look for the Red Brand. It's your guide to extra quality, extra value. Red Brand Galvannealed woven wire fence has the red top wire; Red Brand barbed wire has each Galvannealed barb painted red. And it's easy to spot those extra-value Red Top steel posts. See your Red Brand dealer now. Insist on Red Brand.

KEYSTONE STEEL & WIRE COMPANY
PEORIA 7, ILLINOIS

Red Brand Fence • Red Top Steel Posts • Red Brand Barbed Wire • Keystone Poultry Netting • Corn Cribbing • Non-Climbable and Ornamental Fence Nails • Gates • Bale Ties

"you ought to see it pull now — smoother too!"

"M&W Add-POW'R PISTONS give me extra horsepower . . ."

"With Add-POW'R Pistons in my tractor I can work more land in less time, plow bottom land faster, deeper and smoother, and go right through without pulling the engine down," says H. W. L., Bloomington, Illinois. There's good reason for this extra power with M and W Add-POW'R Pistons. Larger diameter gives you the greater displacement that means a larger tractor engine in power capacity . . . 3 to 12 more horsepower for *any* tractor. Aluminum alloy piston construction (less than half the weight of smaller cast iron pistons) gives unbelievable smoothness in engine operation, improves tractor fuel economy. M and W gives you balanced higher compression ratios to boost tractor operating efficiency. Individual weight-balancing eliminates vibration. Chrome plated rings resist scuffing and acid, provide positive oil control, give full compression without power-wasting blowby—get hundreds of extra hours of tractor field service.

Power-up with economy-proven Add-POW'R Pistons and slip-in sleeves. Add-POW'R Pistons give your tractor up to 20% more power than when it was new! See your tractor dealer today.

Tractors UP-DATED With M&W 9-Speed Transmission . . . Mow, Hoe, Cultivate, Spray Faster

Here are four more work-selected field speeds to help Farmall owners cut tractor operating costs and time on every job (6, 7½, 9, 11 mph). When you're pulling light equipment, M and W Nine Speed lets you shift to a higher gear . . . do the job faster and use less fuel. In addition, you save your tractor, too. New M and W Nine Speed Transmission provides positive lubrication of the pilot bearing . . . stops road gear clash and costly breakdowns. Transmission failure? Remember, it costs little more to put in an M and W Nine Speed, instead of repairing the same transmission. Don't put off seeing your tractor dealer about M and W Nine Speed Transmission for Farmalls. Do it today.

HOW TO GET MORE OUT OF YOUR PRESENT TRACTOR

Send a postcard with your name and address for this big 32-page Power Story book.

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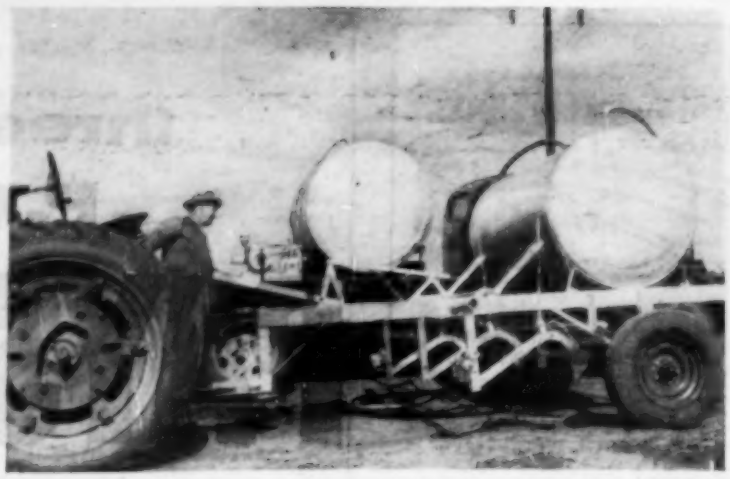


Liquid nitrogen for corn ground on the Galen Turner farm in Nodaway county, Missouri. Filling the applicator from the tank truck is Graham Edwards.

Many forms of nitrogen

Here's help in choosing which form of nitrogen fertilizer to use on your farm

MANY forms of nitrogen fertilizer are on the market now.

Nitrogen supply for 1955 is expected to be well above 1954 levels. So a new problem facing farmers is which form of nitrogen to buy.

Here are some of the common nitrogen fertilizers and some general information about each of them:

SOLID FORMS OF NITROGEN: Urea contains about 42 percent nitrogen when in fertilizer form. Soil micro-organisms change the form of the nitrogen before it is used by plants.

Ammonium nitrate contains about 33 percent nitrogen. Nitrogen in this fertilizer is in two different forms. The nitrate form is immediately available to plants.

Ammonium nitrate—limestone mixtures are sold under several trade names. Usually, they contain about 20 percent nitrogen. This form doesn't take up moisture from the air after the bag is opened.

Ammonium sulfate contains about 20 percent nitrogen. Most of this is converted to the nitrate form before it is used by plants.

LIQUID NITROGENS: These made a recent entry into the fertilizer field for direct application.

One is made by dissolving ammonium nitrate in water. This gives a 20 percent nitrogen solution. It does not develop pressure or evaporate. So it can be sprayed on the soil. And directly on some plants.

Big disadvantage of ammonium nitrate in solution is that it may form solid crystals (salt out) in cool weather.

Other nitrogen solutions are mixtures of ammonium nitrate and ammonia in water. They contain from 36 to 45 percent nitrogen. Some of these salt out like ammonium nitrate at low temperatures.

Most develop some pressure—up to 10 pounds per square inch on hot summer days. So they must be applied below the soil surface. A couple inches is deep enough in most cases.

Urea can be used in nitrogen solutions, too. The most common one is a mixture of ammonium nitrate and urea. It contains 32 percent nitrogen.

It can be applied as a spray like the ammonium nitrate solution. Most solutions corrode iron, steel, brass, copper and bronze. Stainless steel and aluminum resist the corrosion.

ANYDROUS AMMONIA: This is a gas partly changed to a liquid under high pressure. On a hot summer day—100 degrees—it builds up about 197 pounds per square inch pressure. So tanks and equipment for handling it require a working pressure of about 250 pounds per square inch.

Since anhydrous ammonia converts to a gas so quickly under normal pressures, it must be applied beneath the soil surface and covered immediately. Recommended depths range from four to eight inches.

Now, which form to buy?

In general, experts conclude that one form is as good as any other. The important thing is the number of pounds of actual nitrogen you apply. So figure the form that has the lowest cost per pound of nitrogen.

There's another item to consider, too. Price of anhydrous ammonia and liquid nitrogens often includes custom application. Of course, you'll want a dependable operator if you decide for custom application.

It will cost you better than a dollar per acre to apply solid forms of fertilizer with your own equipment. You can expect to pay $1.75 to $2.00 per acre if you hire someone to apply solid forms of fertilizer.

Most of this information came from a book entitled "The Response of Crops and Soils to Fertilizers and Manures." It was written and published by W. B. Andrews of State College, Miss. Price is $4.50 per copy.

QUIPS AND QUOTES

ONLY THE MAN with money can buy all the time he wants. —Hartley Sentinel.

WHITE LIES OFTEN have to be whitewashed to prevent them from turning black.—Stuart Herald.

A HAPPY HUSBAND is one of the greatest testimonials to a good wife.—Decorah Public Opinion.

MOST EVERY MAN knows his own business, but it is often difficult to make his neighbors believe it.—Oakland Acorn.

THAT FROGS ARE wiser than human beings is attested by the fact that they usually know when to jump.—Audubon County Journal.

IT IS MUCH BETTER to sit tight, than to attempt to drive in that condition. — Schleswig Leader.

THE PAINS WE take often measure the gains we make.—Eddyville Tribune.

YOU HAVE SOLVED the riddle of life if you can be happy and content with what you have tho striving for a bit more.—Kossuth County Advance.

THE GUY who can straighten out a horse shoe with his hands has nothing on his wife, who can tie up ten miles of telephone wires with her chin. — Schaller Herald.

A CHIP on the shoulder is the heaviest load you can carry.—Lake Mills Graphic.

AS EVERY ex-serviceman knows, few things get around so fast as rumors. Usually the speed with which they are scattered is matched only by their inaccuracy.—Clear Lake Mirror.

IN THE OLD DAYS when a youth started sowing wild oats, father started the thrashing machine.—Tama News-Herald.

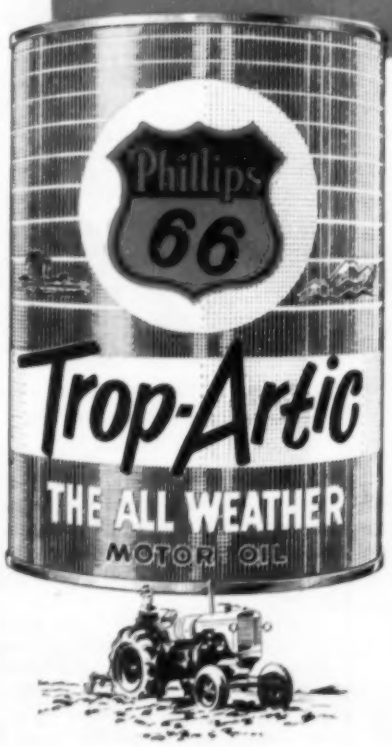
MANY MEN NEVER bring the boss home to dinner because she's already there.—Fontanelle Observer.

"Are you kidding? Me play checkers with all the labor and time-saving equipment I have to take care of."

Free Night at the Movies?

Buy the tickets with what you save on oils and greases with the

PHILLIPS 66 ADVANCE ORDER PLAN



You can save enough for many extra little pleasures if you order your Phillips 66 Motor Oils, Gear Oils and Greases *now*. Just set a delivery date before May 31, 1955. The single delivery saves time, trouble and handling expenses. These savings we pass on to you in the form of lower prices. So call your Phillips 66 Distributor today.

Get your order in NOW!

- **Generous Discounts . . .** even on orders as small as 15 gallons.
- **Top Quality Products . . .** including new Phillips 66 Trop-Artic All-Weather Motor Oil.
- **No Down Payment . . .** arrange for payment at time of delivery.
- **Price Protection . . .** you have no worry about price increases, but you benefit from price reductions.
- **Assured Supply . . .** the products you want when you need them.

PHILLIPS PETROLEUM COMPANY

NOW...

TWO FAMOUS NAMES COMBINED INTO ONE FEED

"Sweet as Honey"

SOFT-ROLLED MOLASSES PELLETS

WITH

"STILBOSOL"

THE POWERFUL NEW FEED-LOT BEEF PRODUCING STIMULANT

HERE'S PROOF!

A load of heavyweight Angus cattle exhibited by Welco Feed Mfg. Co. at the 1954 International showed the THIRD HIGHEST DRESSING PERCENTAGE among all the loads exhibited at the show . . . further evidence that "SWEET AS HONEY" is a proven BEEF PRODUCER!

— For —
CHEAPER GAINS
FASTER GAINS
GREATER PROFITS
MAIL THE COUPON!

NEW HORMONE NOW AVAILABLE IN ALL "SWEET AS HONEY" BEEF CATTLE FEEDS . . . ASSURES FASTER, LOW COST BEEF GAINS FROM YOUR GRAIN AND ROUGHAGE

Now you can get MORE BEEF at LOWER COST! Iowa State College's sensational new gain-boosting ingredient "STILBOSOL" (Diethylstibestrol Premix, Lilly) is now available in your favorite "SWEET AS HONEY" Beef Cattle Feeds. Tests with steers and heifers on corn, high-roughage or silage rations show remarkable gains when "STILBOSOL" is included in the ration. Feed costs have been cut . . . yet profit per head increased! Now, those rich, palatable, soft-rolled "SWEET AS HONEY" molasses pellets will do an even better job of producing low cost Fat-gains for you! See your "SWEET AS HONEY" Dealer TODAY, or write direct to us for full information. Don't accept substitutes! Ask for "SWEET AS HONEY" . . . with "STILBOSOL."

TWO "SWEET AS HONEY" FEEDS FOR CHEAPER FAT-GAINS

Whether you have a drylot or roughage feeding program there's a "SWEET AS HONEY" feed for your need . . . 22% "SWEET AS HONEY" soft-rolled molasses pellets for dry-lot feeding and "SWEET AS HONEY" SUPPLEMENT A-1 ROUGHAGE FORTIFIER, for roughage feeding. Mail the coupon for full details or visit your "SWEET AS HONEY" dealer NOW. You can make good profits feeding "SWEET AS HONEY" . . . with "STILBOSOL!"

WELCO FEED MFG. CO., INC., Spencer, Iowa

Please send complete information on "SWEET AS HONEY" . . . with "STILBOSOL." Also send all the facts on your drylot and roughage feeding programs.

Name .....

Town .....

RFD..... State.....

☐ Check here if you want us to help you make up a balanced feeding program. No obligation.

WELCO FEED MFG. CO., INC.
SPENCER, IOWA

PERMCO HOG HOUSE

Model G.A.-6 America's Finest

LOW COST PER SOW

- Six-foot-wide alleyway makes two extra pens
- Building divides down center for easy moving
- Individual two and three pen also available

MOST COMPLETE LINE OF BUILDINGS

Garages — Homes — Machine Sheds — Poultry Houses—Grain Storage—Commercial Buildings
Write Dept. 11 for Name of Nearest Dealer

PERMCO MFG. CO., PERU, NEBR.

WRECKING

In Ottumwa, Iowa

3 story Hall Candy Factory building and adjoining Armory. All material for sale on premises. Lumber, doors, windows, plumbing, soil pipe, vault door complete, 50 ft. wood trusses, hardwood flooring, 2x10 and 2x12 joists up to 24 ft. lengths, sheathing, etc., 2 freight elevators, fire doors. Free kindling wood. Salesman on premises. STAR LUMBER COMPANY, 3rd and Market St., Ottumwa, Iowa. Phone: Murray 2-6353.

HOTCHKISS

Formerly The Anthony Hoist Nothing Changed but the Name

HYDRAULIC (Demountable) hoist

Easy Installation on a Standard Gear Makes an Auto Dump Unit of Any Flare or All-Purpose Box

Just a Flip of a Lever to DUMP the Load ANYWHERE by HYDRAULIC Power

• DEPENDABLE
• VERSATILE

Ruggedly Powerful Development of One of America's Oldest Dump Truck Body and Hoist Manufacturers. Proven in usage thruout the world.

HOTCHKISS STEEL PRODUCTS CO
Dept 1-D · Bradford, Illinois

Shuman is new AFBF head

Farm Bureau convention urges control of diverted acres, opposes social security

CORN BELT states in the Farm Bureau organization are still in the driver's seat, even tho Allan Kline of Iowa has resigned as president.

Kline, by holding up his resignation until the convention, prevented vice-president Walter Randolph of Alabama from succeeding to the office. If Randolph had taken the job of president even for a few weeks, it might have been hard to prevent his election for the balance of Kline's term.

As it was, after the usual lobbying and vote trading, Charles B. Shuman, president of the Illinois Agricultural Association was elected. Shuman and Kline agree on national farm policies, and there is likely to be little change in the way Farm Bureau influence is used.

As expected, the convention approved the agricultural act of 1954 as "a significant change in the direction of farm price support programs."

The convention, however, split away from the Benson farm program on one point. Secretary Benson had just announced that farmers would be able to plant diverted acres almost as they wished.

But the convention declared "It is unfair to use acreage and other resources diverted from price supported crops to produce other commodities in such quantities as to seriously impair or destroy the markets for those commodities." And the delegates asked legislation to direct the secretary to control diverted acres.

Kline of Iowa retires as president on account of poor health.

Southern delegates were partly responsible for a fight on the floor over TVA. The resolutions committee brought in a statement which was taken as an endorsement of the private power side of the present TVA fight.

But the delegates, by a big voice vote, struck out the following sentence: "We favor the development of private production of power to supplement TVA's power supply where arrangements can be made for the purchase by TVA of such power on a satisfactory and economic basis."

On conscription, the convention pointed out that military strength is not solely a result of a huge military establishment. The delegates urged:

1. A vigorous recruiting campaign for the regular armed forces.
2. A selective draft of additional men, from 18 to 22, as needed.
3. Opportunity for young men of 18 to 22 to volunteer for a reserve training program. Volunteers for reserve training would be exempt from draft as long as they remained active in the reserve.

Shuman of Illinois Agricultural Association takes over job as national president.

The delegates differed from the Grange and Farmers Union on social security and resolved: "We are opposed to the compulsory coverage of self-employed farm operators under social security."

The Farm Bureau reaffirmed its position on developing foreign trade and declared that "the maintenance of a high standard of living in the United States is dependent to a large degree on a high level of all imports and exports."

Another resolution suggested federal legislation "to require uniform time thruout each time zone in the United States." President Shuman commented that farmers objected particularly to a patchwork of daylight saving and standard time within time zones.

E. Howard Hill, president of the Iowa Farm Bureau Federation, was named to the national board as a representative of the middle west.

Research Points

RAIN that falls has been up in the air around three weeks. That's the average reported by a University of Chicago chemist. Water from deep wells is often over 50 years old, according to the same chemist.

USE FERTILIZER to cut farm costs, say Michigan workers. Cost of producing a bushel of oats varied from 90 cents down to 69 cents. Cost of producing a bushel of corn varied from $1.21 to $1.02. Proper use of fertilizer was credited for much of the lower cost per bushel.

IN MISSISSIPPI TESTS, deep tillage of soil helped when the whole compact layer was broken. But effects lasted only one year. When the entire subsoil was compact, deep tillage had no effect on soil properties or crop yields.

JUST 24 HOURS after a tobacco leaf was sprayed with urea nitrogen, over 30 percent of the nitrogen applied was found in parts of the plant above the leaf. About 14 percent was found in parts of the plant below the leaf. The rest of the nitrogen remained on or in the sprayed leaf.

MAYBE SCIENTESTS can help animals digest more cellulose. Ohio workers have found in laboratory tests that valeric acid increased digestion activity by nearly three times. Valeric acid occurs in some plants and in some animal products.

DELAY HARVEST of alfalfa for higher hay yields? Oklahoma tests show a seven percent increase in yield when harvest was delayed from one-tenth bloom stage to full bloom stage. Increase was 23 percent over cutting at the bud stage. Hay cut at the bud stage had higher protein content. But total protein production was less because of lower yields.

WHEAT STRAW is the raw material for a new type of paperboard. Straw has been used for many years. But this new paperboard, manufactured by Alton Box Board Company, is stronger and more crush resistant, says the company.

"Peggy gave me an electric shaver, pipe cleaners from little Billy, a hair brush from Helen, and good old Bessie came thru with twin calves."

Ingenious Allis-Chalmers *Micro-Feed* accurately meters the seed . . . spaces kernels evenly in the row . . . at faster speeds. Positive *Force-Flo* system drills or broadcasts fertilizer evenly.

CAN 3 SEEDS OUT-YIELD 4 ?

Higher yields with *less* seed? More growing space per plant for grain, grass, and legumes?

The new Allis-Chalmers ALL-CROP Drill . . . world's first quick-hitch, tractor-mounted drill . . . makes this a practical possibility on your farm!

Seed and fertilizer are accurately metered a new way . . . in twin bands side-by-side . . . *faster* . . . at uniform depth. Seedlings are *side-nourished* . . . protected from fertilizer burn.

You not only save costly seed but get stronger stands . . . quicker catches of grass and legumes with your grain.

Designed for many crops and uses, the low-cost ALL-CROP Drill fertilizes and plants grain, grass, and legume seed . . . all in one operation. Or, it can be used as a fertilizer spreader alone. With handy SNAP-COUPLER mounting and time-saving hydraulic lift, the ALL-CROP Drill matches the big acre capacity of its famous namesake, the ALL-CROP Harvester.

Make your seeding dollars yield more . . . a *lot* more! Don't delay. See your Allis-Chalmers dealer *now* . . . or write us for free illustrated catalog.

Dotted lines show how new Torsion-Spring design maintains uniform seeding depth in uneven ground. New "bellows-type" spouts allow far greater flexibility. Grass seed is broadcast or band-seeded.

ALL-CROP and SNAP-COUPLER are Allis-Chalmers trademarks.

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

TRACTOR-MOUNTED
ALL-CROP Drill
FOR WD-45, WD, OR CA TRACTORS

Service bureau

Pay Rent On Flooded Pasture?

To the Editor: Do we have to pay rent on 40 acres of pasture land on this farm since the pasture was flooded twice this summer?—Mrs. W. R., Boone county, Iowa.

When you rent real property, you take it subject to all conditions which may arise, unless the lease specifically provides that you do not pay rent in the event of certain conditions.

If the landlord did not warrant that the pasture land would not be flooded, you would be liable for the rent whether or not you were able to use the land. This is the advice of the Service Bureau attorney.

May Sell Inherited Property At Once

To the Editor: How soon after the owner of real property dies can the heir sell it and give a good title?—O. N., Taylor county, Iowa.

The Service Bureau attorney says, as he understands the law, an heir of real property, immediately after the death of the owner, may deed and sell the property which he inherited.

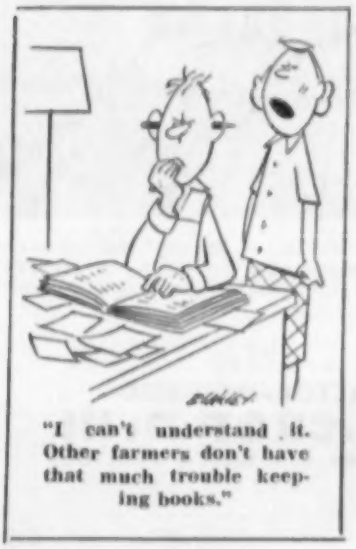
World War I Pension

To the Editor: My husband is now 65 and is no longer able to work. He is a veteran of World War I. Can he get a pension even tho his disability is not service-connected?—Mrs. P. R., Tama county, Iowa.

To be eligible for a non-service-connected pension, a "veteran must be permanently and totally disabled, credited with 90 days or more service, unless discharged sooner for line of duty disability. A discharge must be under other than dishonorable conditions."

"The rate is $63 per month increased to $75 on attainment of 65 years or after receipt for ten years. An annual income over $1,400 is a bar if veteran has no wife or minor children. Otherwise, there is a $2,700 limitation on yearly income."

It will be necessary for your husband to contact a Veterans' Administration office to get information on a disability pension. He must also be examined by VA doctors. If the doctors determine that he is totally and permanently disabled, his pension may be approved.



"I can't understand it. Other farmers don't have that much trouble keeping books."

Social Security For His Wife

To the Editor: If a man that is getting a monthly benefit from Social Security marries, will his wife get a benefit based on his payment?—Mrs. D. A., Houston county, Minn.

If a man that is receiving a Social Security benefit marries, his wife would be eligible for a benefit equal to half of his benefit, after they had been married for three years. The wife would have to be 65 years old or older to get the benefit.

If the man were to die after being married for one year, the wife would be eligible for a widow's benefit, or three-fourths of his monthly benefit.

Doesn't Display Meat Prices

To the Editor: Our grocer doesn't have the prices of the meat displayed so customers can see how much it is per pound. Does Iowa have a law that would require him to display the meat prices?—Mrs. I. B., Dickinson county, Iowa.

There is no law requiring places that sell meat to have the price per pound on display, says the Service Bureau attorney.

FEED

Is Nutritionally Complete when You Feed

CONCENTRATE

To maintain good production at a low feed cost, farm animals need energy substances plus at least 34 vital nutrients. Your farm grains lack or are short in 20 of these nutrients.

Farm feeds supplemented with tankage, bone meal, soybean or linseed meal, still fall short of being nutritionally complete rations.

All the nutrients known to be short or lacking in farm feeds are found in MURPHY'S CONCENTRATES. The nutritional combination of your own home-grown grains and roughage and MURPHY'S CONCENTRATES supplies your animals with all the energy, proteins, minerals, vitamins and antibiotics they need for fast gains, good health and low-cost production.

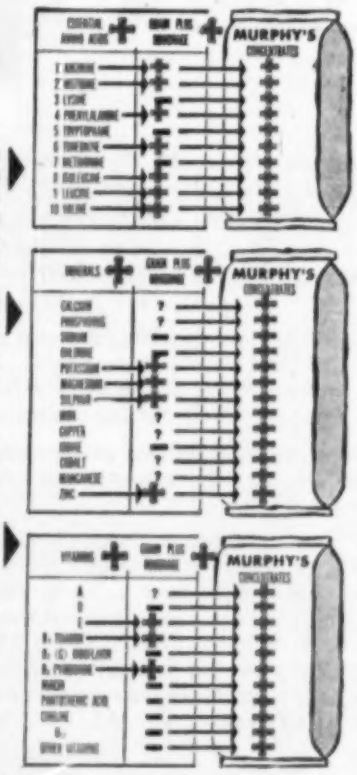
Here's Why Murphy's Concentrates Make Good Low Cost Results Possible

All the known protein amino acids your animals need are supplied when MURPHY'S CONCENTRATES are added to your farm feeds. (See chart at right.)

All the known minerals your animals need are supplied when MURPHY'S CONCENTRATES are added to your farm feeds. (See chart at right.)

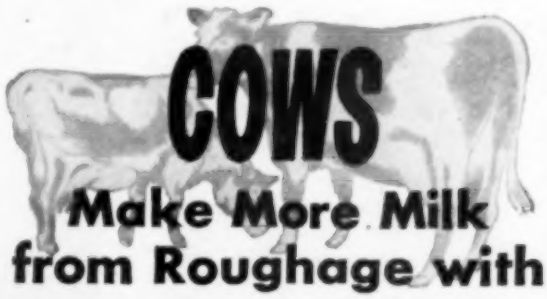
All the known vitamins your animals need are supplied when MURPHY'S CONCENTRATES are added to your farm feeds. (See chart at right.)

All farm feeds lack antibiotics. Where needed, MURPHY'S CONCENTRATES supply your animals with the proper levels of antibiotics. (Penicillin, Terramycin®, Aureomycin®.)



When you fortify farm feeds with MURPHY'S CONCENTRATES you buy only what you need. You're not spending money to buy feed that duplicates what you already have. You're feeding nutritionally complete rations. So switch to MURPHY'S CONCENTRATES—lower your feed costs. MURPHY'S guarantees lower feed costs.

MURPHY
PRODUCTS CO., BURLINGTON, WIS.



COWS

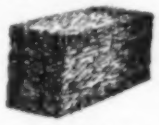
Make More Milk from Roughage with

CONCENTRATE

More and more dairymen are depending on roughage to hold feed costs down. For the next few months you will be feeding more hay and silage to your cows and hoping to hold production up and keep their health good.

Well, it can be done; but there's something you ought to know about roughage this year. Leading state universities tested hundreds of samples of hay being fed on farms. Here's what they found out:

Excellent quality—only 5%
Good quality—25%
Fair quality—45%
Poor quality—25%

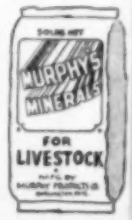


One university states that improper storing of hay can lose 15 to 40% of its feed value. Rain, plus extended periods of sun bleaching will remove nearly all the carotine from which animals derive vitamin A. During these winter months, vitamin A is extremely important to the dairy cow's health and production.

Unfortunately, early symptoms of vitamin A deficiency are not easily detected. But borderline cases of vitamin A deficiency exist where poor quality hay is being fed. And, because the dairyman cannot see the symptoms, he often continues to feed deficient rations. This most often results in poor production and costly troubles at calving time.

Here's What We Recommend You Do

Keep production high and herd health good by balancing up your farm feeds with MURPHY'S CUT-COST CONCENTRATE. All the known proteins, minerals and vitamins your farm feeds lack can be economically supplied by balancing the ration with MURPHY'S DAIRY CONCENTRATE. Only about two 10-ounce cans per cow per day are needed. MURPHY'S DAIRY CONCENTRATE is formulated with the knowledge that hay in many areas may be deficient or of low quality. That's why, when you add MURPHY'S DAIRY CONCENTRATE to your ration, you can be sure your cows are getting the nutrients they need to make more milk out of roughage. So for healthier, better-producing cows, switch to MURPHY'S DAIRY CONCENTRATE. For best results always feed MURPHY'S MINERALS free-choice. Make roughage do a bigger, better job and lower your feed costs. MURPHY'S guarantees lower feed costs.



MURPHY
PRODUCTS CO., BURLINGTON, WIS.

Voice of the farm

Renter's Wife Needs Conveniences

To the Editor: We have lived here on this farm for 10 years. And we keep it clean. We fixed flower beds, etc. In fact, everyone says it looks better than when the landlord lived here.

I have bought paint and wallpaper to keep the house nice. I've run hogs and cattle to keep them from the yard—because the landlord can't see any need for new fences.

This is about the only farm around that doesn't have a furnace or running water. Yet the landlord receives about $10,000 a year off of this farm . . .

We have a good landlord. But we need conveniences on the farm the same as town people. Sometimes a farmer needs them more.—Renter's Wife, Humboldt county, Iowa.

Suggests Making Slower Cars

To the Editor: The authorities deplore the high rate of slaughter on highways. Still nothing is done about it. Not even a speed law has been enacted, which would be better than nothing.

What amazes me is that nobody ever gets to the heart of the matter, or suggests the real remedy. The place to consider speed limits is in the factory where cars are built. Any car can be built with a maximum speed limit of say 65 miles per hour.

But the remedy I suggest will never be used. People demand high speed cars and are willing to pay for them . . . So the slaughter on our highways will no doubt continue.—Fred B. Wooley, Lee county, Iowa.

Reports Farm 102 Years Old

To the Editor: I see by the paper that you want to know of any family farms that are 100 years old.

My grandmother's place has been in the same family name for 102 years. She is still living there and will be 90 in January.

She went to the farm when she was first married and has lived there ever since, about 70 years. The lumber to build the house was brought by oxen from Des Moines.

When my great-grandfather came there, he made wooden barrels. The tools are still in the attic.—Mrs. Robert Gourd, Adams county, Iowa.

We would like to hear about other 100-year-old farms and we would also like to hear from some of our older subscribers who have read the paper for 70 years or more.—Editor.

Tenant Fixed Up Farm

To the Editor: We are tenants. And never have we kept a farm disorderly. Yet we cannot find a place to rent.

Here are just a few of the things we have done:

Put in our own bolts and nails to fix barn doors; fixed screens on the entire house; planted grass seed in the lawn; planted rose bushes; put in a bathroom all on our own. Sometimes, we even put in our own fences.

Ditches we pushed in, grassed waterways we made, fertilizer we put on every year—only to have to pay more cash rent on buildings.

In short, we've been making the place livable—so the landlord can sell it from under us.—A Tenant, Pottawattamie county, Iowa.

"Way To Use Surplus?"

To the Editor: Our son-in-law in Korea . . . sends a menu home once in a while. Every time, the menu shows "oleomargarine." Is that any way to use our surplus?

Don't you think our boys deserve butter? It would be better for them. And it would help take care of the surplus.—Farm Wife, Adams county, Iowa.

"For your guest room, you can't beat this mattress at any price. It's hard, lumpy and sags in the middle."

SOWS

Have Big, Healthy Litters when Fed

CONCENTRATE

Good feeding helps make big, healthy litters. Sows that have been short-changed on vital bone, blood and tissue building nutrients usually farrow small, weak litters. Small litters are the beginning of small profits, or no profit at all.

You can avoid the costly danger of short-changing your sows by putting them on a MURPHY feeding program. You can stop wondering if your sows are getting too little proteins, minerals, vitamins and antibiotics. You can stop spending money for one vitamin supplement, another protein supplement and a third antibiotic supplement. The proper amounts and correct levels of these vital nutrients are all in one bag of MURPHY'S CONCENTRATES. MURPHY'S added to your farm feeds gives you a sow ration that is nutritionally complete.

Well fed sows will reward you with healthier, thriftier, bigger litters that are ready to get off to a fast start on MURPHY'S PIG STARTER.

Murphy's Pig Starter Saves Feed

During gestation a sow will eat about six pounds of feed a day. During lactation she may increase her feed consumption to twelve pounds a day. But if the baby pigs are fed MURPHY'S READY-TO-FEED PIG STARTER to supplement her milk, the demand on her is less—she maintains her weight, and thrives better on less feed.

Murphy's Pig Starter Supplies Vital Missing Nutrients

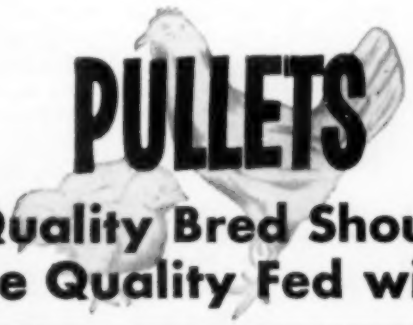
It supplies the vitamins, antibiotics, iron, copper, and other trace minerals which are short in sow's milk. It's highly palatable.

It's fortified with extra-high levels of antibiotics and the proper balance of proteins, minerals, vitamins and energy substances. It is low in fiber content. It is highly palatable; pigs like its taste; eat it early.

MURPHY-fed pigs have a better chance to keep right on gaining from birth to market. So switch to a MURPHY feeding program. Get better results at a lower feed cost. MURPHY'S guarantees lower feed costs.

MURPHY

PRODUCTS CO., BURLINGTON, WIS.



PULLETS

Quality Bred Should be Quality Fed with

CONCENTRATE

Quality Pays

It doesn't take much extra expense to have a premium product. The added price you get for top quality eggs is largely profit. Rarely has the market for quality eggs been overloaded.

In the last five years, monthly averages of egg prices have been lower each year during February, March and April. That means that during the coming months profit margins will be very close. Look at your present feed costs! Ask your MURPHY dealer to compare them to the cost of a MURPHY feeding program. You'll find that MURPHY'S VIG-O-RAY CONCENTRATE plus your own grains and roughage makes one of the most economical, high producing rations you can use. By switching to MURPHY'S you can lower your feed costs and also save labor by cafeteria feeding.

MURPHY'S VIG-O-RAY CONCENTRATE cafeteria fed with your own grains and roughage increases feeding efficiency. It takes less feed to produce more eggs because each ounce goes further towards meeting the nutritional requirements of heavy producers. The extra good quality proteins, minerals, vitamins and antibiotics supplied by MURPHY'S make sure your farm feeds are nutritionally complete.

Chicks—Start Faster on Murphy's Ready-to-Feed Chick Starter

PROTEINS	MURPHY'S Chick Starter supplies top quality proteins at the proper levels to permit better growth, better feathering and good health.
MINERALS	MURPHY'S Chick Starter supplies the minerals chicks need to grow strong legs, big frames and become vigorous pullets.
VITAMINS	MURPHY'S Chick Starter supplies high levels of the right vitamins to speed-up growth—to resist diseases.
ANTIBIOTICS	MURPHY'S Chick Starter supplies extra high protective levels to give chicks a fast start and to get more out of their feed.
ENERGY	MURPHY'S Chick Starter supplies an abundance of energy.
COMPLETE FEED	MURPHY'S Chick Starter gives chicks nutritional values they need. Chicks either start to grow within a few days of hatching, or they die. MURPHY'S Chick Starter supplies what is needed to give these babies a booster start on the highway to poultry profits.

Start today on a MURPHY feeding program with MURPHY'S READY-TO-FEED CHICK STARTER AND MURPHY'S POULTRY CONCENTRATE. MURPHY'S guarantees lower feed costs.

MURPHY

PRODUCTS CO., BURLINGTON, WIS.

For Snow Removal

That's Fast and Easy Get the Siebring Snowscoop.

This big scoop, 80" x 48" x 14", attaches to your manure bucket in a few minutes! Sturdy 3/16" steel plate; easily, quickly adjustable. Takes the work out of snow removal!

•

Now ... At Last!

A FULLY Automatic TRACTOR LOADER

SIEBRING DUZ-ALL LOADER with the NEW HYDRO-BUCKET

Powerful Twin Cylinders Control Loader Bucket — now you can dig, lift, dump, and re-position bucket automatically right from the tractor seat.

• • •

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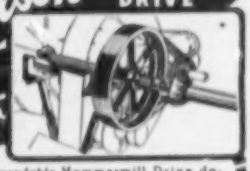

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Social security extended

More farm workers covered by changes in law that take effect January 1, 1955

SOCIAL security coverage will be extended to many more farm workers during 1955.

Changes in the social security law mean that all farm workers who earn $100 or more from one employer will be eligible for social security coverage. Change in the law is effective January 1, 1955.

Benefits will be figured on the same basis as for other workers.

Here are questions farmers and their hired men have asked about the social security program:

When will we start making deductions for social security taxes from our hired man's wages?

You will continue to make the social security tax deductions for regularly employed farm workers. Now you start making deductions on part time and seasonal workers' wages on January 1, 1955.

How much or what percent do we take out of hired worker's wages?

You take out two percent of farm workers' wages for social security taxes.

How much wages must a worker earn before he has to pay a social security tax?

If a worker earns as much as $100 cash wages from one employer, he must pay social security tax.

What should we do if we have held back part of a worker's wages, but he doesn't work for us long enough to earn the $100?

You should then refund to him the money you withheld.

How much money do we add to what we take out of a worker's wages for his social security coverage?

As the employer of a farm worker, you add the same amount as the two percent you held from his wages.

Where do we send the social security tax money?

The Collector of Internal Revenue receives all the social security tax payments.

How often are we supposed to send in the social security tax money?

The social security taxes are sent to the Revenue Collector each calendar quarter.

Is it still necessary for a hired man to work one quarter before he is eligible for social coverage?

The law changes on January 1, 1955. After that date, any farm worker who earns as much as $100 from one employer is eligible for social security coverage.

I am semi-retired and do farm jobs for neighbors during the planting, cultivating and harvesting season. My wife and I are both past 65. How long will I have to work before I can get a social security benefit?

You would have to earn at least $400 to get four quarters coverage in 1955. You could then retire after you have earned $200 or more in 1956.

I am past 65. If I make $400 next year and earn $200 the first half of 1956, can I retire, claim a social security benefit and keep on working?

You could get your monthly social security benefit and work on a job covered by social security without losing any of your benefit if you didn't earn more than $1,200. You would lose one month's benefit for each $80 you earn above the $1,200.

Where should I get a social security card?

You will need a social security card when you go to work on January 1, 1955. Your nearest social security office will furnish you a card free. Your postmaster can give you the address.

Your employer should copy your social security number and your name exactly as it is on your social security card for his records.

If you need more information, contact your nearest social security fieldman.

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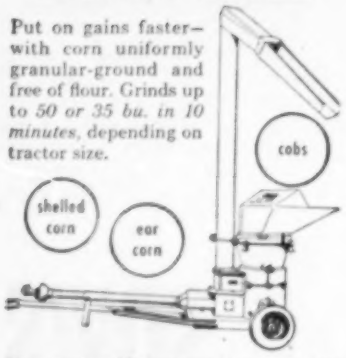
"DUAL CAPACITY" BURR MILL

Put on gains faster—with corn uniformly granular-ground and free of flour. Grinds up to *50 or 35 bu. in 10 minutes*, depending on tractor size.



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Ask any one of the thousands of midwest farmers who feed Corn King mineral and he'll tell you Corn King tops them all — costs less to feed and gets the results you want and expect. It's the big value mineral at a price that's right. Tested, approved, preferred. Ask for Corn King at your dealers.

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NO UNNECESSARY DIGGING

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GRADES WHILE IT CLEANS

Removes dirt, stems, and unwanted weed seeds. At same time separates cleaned seed into TWO GRADES.

Breed up your seed. Make planting easier — stand evener — plant only choice kernels of uniform size. IMPROVE YIELDS.

VAC-A-WAY cleans oats, wheat, barley, soybeans, clover, lespedeza, alfalfa, etc.

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Farm News Briefs

NEW GROUP to serve hog producers in this country was organized at Chicago last month. It is the National Swine Growers Council. Wilbur Plager, field secretary of the Iowa Swine Producers Association, was chosen president of the national group. The new group hopes to unite the strength of the various state swine associations and to serve as an effective voice for the swine industry.

▾ ▾ ▾

A SET OF eight broad aims and purposes were adopted at the organizational meeting of the National Swine Growers Council. Of the eight, first aim is to "provide an effective voice of the pork producers of the country"; second, "increase the present per capita consumption of pork, pork products and pork by-products in the United States"; third, "protect the general economic interests of the swine growers of the nation." In addition, 16 resolutions dealing with disease control, live hog marketing, pork consumption, lard usage and breeding were adopted.

▾ ▾ ▾

THEME of this year's meeting of the National Council of Farmer Cooperatives will be "Farmer Cooperatives Attack the Price-Cost Squeeze." Meeting will be at Chicago, Jan. 5-18. The entire meeting and a series of special conferences will center on the price-cost squeeze. Featured speakers include Secretary of Agriculture Ezra Taft Benson.

▾ ▾ ▾

COMING EVENTS: National Council of Farm Cooperatives, Chicago, Jan. 5-8; American National Cattlemen's Association Convention, Reno, Nevada, Jan. 10-12; Fertilizer's Dealers' Short Course, Iowa State College, Jan. 18; Annual Meeting Farmers Grain Dealers Association of Iowa, Des Moines, Jan. 24-26; Soil Conservation District Commissioners' Short Course, Iowa State College, Jan. 26-28; Iowa Swine Producers' Day, Iowa State College, Jan. 27; National Convention Soil Conservation Districts, San Diego, Calif., Feb. 1-5; Iowa Christian Rural Institute, Iowa State College, Feb. 7-8; Iowa Crop Improvement Association Meeting, Iowa State College, Feb. 16; Short Course For Cooperative Directors, Iowa State College, Feb. 21-22; Minnesota State Spring Barrow Show, Albert Lea, Feb. 24-26.

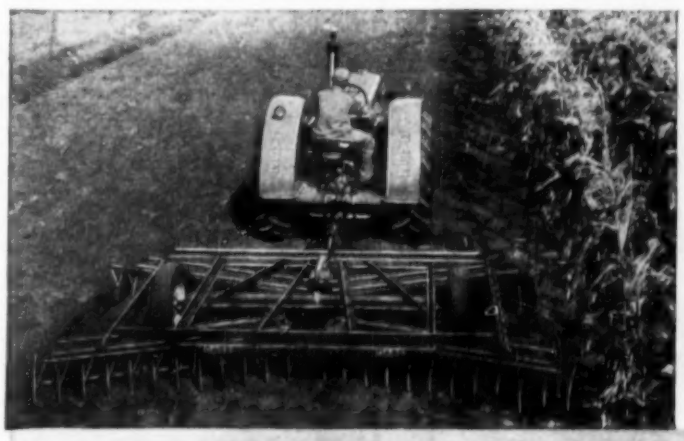
"If that's true, I'll take two of them."

CASE DIESEL "500"

...first in 5-plow power

No other tractor can compare with the "500" in its horsepower range. The smooth, steady power of this six-cylinder giant makes it the leader on tough, hard jobs that demand the most a tractor can give. Yet, the "500" handles and rides with a smoothness you've never known. There's power steering for short turns and long days . . . instant starting directly on diesel fuel at the touch of a button . . . a heavy-duty, 7-bearing crankshaft. Multiply these few examples many-fold . . . and you'll know why the "500" is America's Finest Diesel. Shown, too, is the famous Case Centennial Plow that matches tractor power with strength and performance . . . has clearance where it counts—between bottoms, under beams and braces, behind shins.

NEW...Wheel-Type Disk·Harrow



Automotive-type wheels mounted on Timken bearings for fast, easy transport . . . serve as gauge wheels in shallow disking. Heavy angle-steel frame with clear deck lets you carry drag or other tillage tools . . . trailer hitch pulls them in preparing seedbeds, thus cutting costs by doing two jobs in one trip over field. Extra weight of harrow pays off in cutting and mixing tough stalks, cover crops, trash or heavy soil. Gangs are designed for unusual leveling action. Exclusive parallel lift operated by portable hydraulic cylinder . . . keeps gangs level when raising or lowering.

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ALL NEW "400"

...first all-new postwar tractor in its class

In a matter of weeks you'll have an opportunity to see and to drive the first completely new tractor in its class since World War II. This is not just a tractor with improvements and refinements. The Case "400" is entirely new from the ground up . . . a wholly new creation not to be compared with any other tractor. As the wraps fall from the "400" you will forget all former standards of capacity . . . convenience . . . comfort . . . appearance . . . and performance. Yes, you'll truly witness a revelation when the "400" is shown and demonstrated in your area. And—you'll find it a dream to drive . . . thrilling to operate . . . for greater working pleasure all day long.

See your Case dealer for a demonstration of the mighty "500" . . . and arrange to try the All-New "400." Ask about the Case Income Payment Plan that fits your farming system.

SEND FOR THE FACTS

Check here or write in margin any farm machine or tractor that interests you. Send to J. I. Case Co., Dept. A-805, Racine, Wis.

☐ Case Diesel 5-Plow "500" ☐ Centennial Plow ☐ Wheel-Type Disk

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Name _____

Address _____

Increase crop yield! Control smut, blights, root rots, and seed decay with

PANOGEN

the original liquid seed disinfectant

Insist on Panogen treatment for your seed

- Panogen vapor penetrates hull, kills fungi not reached by ordinary disinfectants.
- Panogen has been proved effective and is recommended by the U.S. Department of Agriculture and 25 State Colleges of Agriculture.
- Panogen increases crop yield up to 5 bushels per acre.
- Panogen-treated seed can be planted sooner, or stored longer, than seed treated with other disinfectants.
- Panogen "safety-tints" treated seed red to help prevent mixing with livestock feed.

Mail coupon now for more information!

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Please send me latest information on effective seed treatment.
I am a farmer ☐ I do custom treating ☐
Name_____
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P. S. to elevator operators. You'll like Panogen, too, because it saves time and labor—makes no poisonous mercury dust.

2 GREAT NEW PAPECS

With NEW "QUICK-COUPLE"

"QUICK-COUPLE"

▶ Important new time and labor-saving FEATURES identify Papec's New Forage Harvesters, Models 62 & 92.

NEW "QUICK-COUPLE" Device for mounting all 3 attachments . . . direct cut, hay pick-up and row-crop . . . faster and easier.

IMPROVED DIVIDERS on direct cut and hay pick-up attachments.

6-bar REEL on direct cut attachment.

NEW DESIGN LIFT LEVER making it easier to raise and lower attachments from tractor seat, to level base unit for mounting attachments, to raise tongue for tractor hitch.

OTHER Convenience and Performance IMPROVEMENTS PLUS ALL the Features that have made Papec famous for dependable, trouble-free operation on all types of forage crops.

- POSITIVE FINGER FEED ROLL
- PATENTED SILAGE SHELF
- ADJUSTABLE AXLES
- BIGGER TIRES

See the NEW PAPECS at your dealer's soon.
Papec Machine Company,
2925 Chrysler Rd., Kansas City, Kan.

PAPEC FORAGE HARVESTERS

OUTSIDE STUFF

IT'S A lot easier to do a good job of farming now than it was 100 years ago. We have tools to work with that the pioneer farmer never dreamed of having. And the same applies to the business of turning out a farm paper.

What farm paper editor of 100 years ago would have dreamed of covering 200 to 300 miles, visiting with a half-dozen farmers, taking pictures and observing crop conditions along the way all in one day? Yet, that's not an unusual day's work for those of us who report the farm news these days.

In the last year, Wallaces' Farmer and Iowa Homestead editors and photographers have been in every county in Iowa. A record of that kind was harder to make in the days when transportation depended on railroads and livery stables.

• • •

IOWA State College's Dr. A. L. Bakke last month was awarded the North Central Weed Control Conference's most distinguished honor—life membership in the conference. And it was a well-deserved honor.

It's difficult to measure Dr. Bakke's contribution to the cause of weed control. He started searching for answers to weed control problems about 35 years ago—back when there wasn't much glamour in the business, long before the advent of modern weed control chemicals. In recent years, Dr. Bakke has been a leader in the fast-moving field of weed control research.

Dr. Bakke's influence in the field of weed control stretches beyond his own accomplishments. A number of today's weed control experts received encouragement and guidance in Dr. Bakke's college classroom.

• • •

PAUL COULTER tells me that the "BCR&N railway" has been operated for more than 40 winters on his farm in Johnson county, Iowa.

Installed in 1913, the short railway carries feed from granary and feedbins to cattle bunks along each side of the tracks.

Why the fancy name? The tracks slope southward away from the granary toward the bunks so that small carloads of feed can be pushed easily to the bunks. And it's no trick to push the car back to the granary—so long as it's empty. Hence the name, "BCR&N"—Bums Can't Ride North.

• • •

HERE'S hoping 1955 brings you a big step closer to the realization of your fondest dreams and goals. And more important — here's hoping you enjoy the "walk."—Dave Bryant.

See it at
- Lindsay Brothers Co.
- Paxton & Gallagher Co.

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Why freeze in the winter? Specify ORIGINAL half/CABS! You get full vision where you need it with the PATENTED LAY-DOWN WINDSHIELD equipped with large Windshield Wings and collapsible Side Wings. Easily installed with complete instructions enclosed. Buy the ORIGINAL half/CAB—a complete deluxe unit at the lowest cost! ONE PRICE DOES IT—THE ORIGINAL half/CAB DOES IT.

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OMAHA 8, NEBR. • MINNEAPOLIS, MINN.
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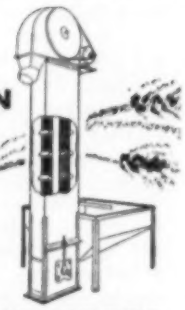

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Quality SEED OATS

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MO-0-205 — Branch — Ajax — Beaver
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Write for free "Seed Oats Varieties for 1955." Buy direct and save.

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NEW MODERN DISINFECTANT

DR. SALSBURY'S GERMEX

NO DANGER • NO ODOR
COSTS LESS THAN LYE

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LIMITED SUPPLY. NEW RUST RESISTANT SEED GRAINS!
See your Gateway Seedsman or write
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PATENT PENDING

Power Scoop with lightweight gas engine power. Also runs on ½" rated hand drill or ½ h.p. motor.

Feed, grain, shelled corn, even stoker coal flows up to 600 bu/hr from this 11 ft., 27 lb. portable 4 in. auger. Does the work of many shovels . . . costs the same as four. Guaranteed in writing.

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Dept. 3
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RID YOUR CATTLE OF COSTLY STOCK-PESTS

KILL CATTLE GRUB
(Killing, Warbles)
Mange Mites, Lice, Ticks And Flies

ONLY $18.75 Why Pay More!

"LOW COST" Automatic
Cattle King OILERS

Cattle treat themselves. Rub insecticide all over. Apply it where and when needed. Improved, new-type roller applicator gets real results at really low cost. Roller is "spring encased" for longer wear and greater "scratchability". Easy to fill with patented roller magazine. Easy to install! No pulleys or weights. Attaches to any post.

Recommended INSECTICIDE CONCENTRATE
FARNAM *"Triple XXX"*
ROTENOX

Mixes 1 to 20 with #2 fuel oil, diesel oil or petroleum distillate for use in cattle oilers. Mixes 1 to 100 with water to spray for grubs, lice, ticks and Sarcoptic Mange Mites . . . only $12.75 per gal.

COMBINATION OFFER!
Order 1 Gal. of Rotenox with each Cattle King Oiler ordered. Send check with order, and get both for only $31.50, parcel post prepaid. C.O.D. plus postage, if you prefer. Write . . .

BOTH For Only $31.50 Post Paid

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LOWEST COST 20 YEAR WARRANTY

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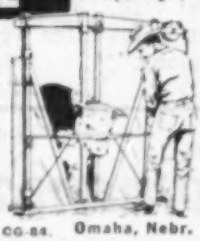

Enables you to quickly restrain and safely hold animals for **inspection, treatment, dehorning, vaccination, ear marking,** etc. Makes cattle handling easier, safer, faster. Every stock farm needs and should have this low-cost stock-holding gate.

Accept This "FREE TRIAL" OFFER
Try this Gate at our risk! Write for Illustrated Literature and "30 Day Trial Plan"

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"Good heavens, dear! You shouldn't be carrying anything that heavy. Let me get you the wheelbarrow."

High Protein For Lean Hogs

Low protein rations and standard protein rations for hogs were compared in Ohio tests.

The experimenters found that hogs gained almost as rapidly on low protein rations as on standard (higher) protein rations. But carcasses had more lean meat when fed plenty of protein.

In the low protein group, pigs were fed rations with 12 percent protein before 120 pounds and 10 percent protein after 120 pounds. Standard rations contained 15 percent protein before and 12 percent after 120 pounds.

This experiment suggests that farmers who are trying for lean meat hogs should not feed too low a protein ration.

Cattle Get Lice In Winter

The louse problem on cattle is worst in winter and early spring. Early winter marks the start of the build-up in louse numbers.

It's best to treat cattle before they begin rubbing and before bare patches appear on the animal's necks and backs. T. H. Parks, Ohio State University entomologist, makes these recommendations:

Spray cattle thoroly with methoxychlor, rotenone, or lindane. The specialist recommends one to three gallons of spray for each mature animal. The smaller amount, one gallon, is recommended for short-haired animals.

Here are mixing directions: use one-half pound of 50 percent methoxychlor in six gallons of water or eight pounds in 100 gallons of water.

For rotenone spray mix two ounces of powdered five percent derris root or cube root rotenone in six gallons of water, or two pounds in 100 gallons.

For lindane spray use one ounce of 25 percent lindane powder in six gallons of water or one pound in 100 gallons of water.

Parks said that in most cases, it is necessary to re-treat in 15 days since the treatment isn't entirely effective against louse eggs.

A 10 percent dust of methoxychlor or a commercial mixture of rotenone and sulfur dust is satisfactory if rubbed thoroly into the hair. Ten percent DDT dust can be used on animals where their milk isn't used by humans. Parks suggested six to eight ounces of dust per animal.

The New McCULLOCH SAW
that's SMALLER! LIGHTER! LOWER COST!

IT WEIGHS ONLY 20 LBS.

Watch this one zip through the pulp or cordwood on your farm! Just right for construction work and land clearing and it even fells trees up to three feet in diameter. Simple, convenient operating controls include a primer button (no choking required). Positive on-off ignition switch and trigger-type throttle control. Special McCulloch 2-cycle aircooled engine. Waterproof, it's made for quick starting at high or low temperatures. *16" size only $200—longer blade size available.*

Ask your dealer, or write for bulletin.

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CUT WEEKS OFF THE FEEDING TIME

DEHYDRATED ALFALFA SAVES 9 DAYS ON EVERY 75 POUNDS OF GAIN

The feed-hog ratio has never been more favorable to hog raisers than now. DEHYDRATED ALFALFA meal or pellets fed as a supplement or compound in formula feeds can cut down feeding time, make extra gains, and yet supplies adequate protein, minerals, Vitamin A, and the unidentified growth factor(s) plus other necessary nutrients for healthy, quick gains.

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Arco Dehydrating Company, Lake Park, Iowa
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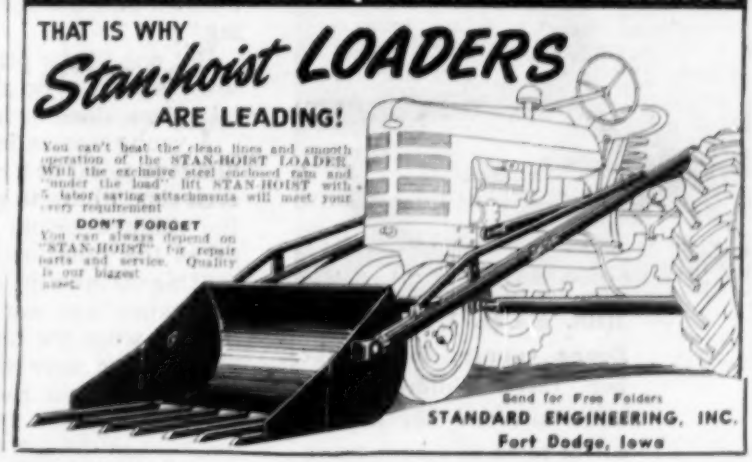
YOU CAN'T BEAT QUALITY AND SERVICE
THAT IS WHY
Stan-hoist LOADERS
ARE LEADING!



You can't beat the clean lines and smooth operation of the STAN-HOIST LOADER. With the exclusive steel enclosed ram and "under the load" lift STAN-HOIST with 5 labor saving attachments will meet your every requirement.

DON'T FORGET
You can always depend on "STAN-HOIST" for repair parts and service. Quality is our biggest asset.

Send for Free Folders
STANDARD ENGINEERING, INC.
Fort Dodge, Iowa

MOTHER OF THREE children, Mrs. Glen Severson, Monona county, Iowa, says she and her husband eat in town about once a month.

When you eat away from home

Do you eat in town or do you share pot luck with friends?

WHAT does your husband say when you suggest that you eat a meal in town? Does he fall in with your suggestions? Or does he immediately think of a number of reasons why your plans aren't practical?

Does he say, for instance, that the children are too young to handle in public? Does he insist that he just can't get away from the farm? Or does he get tactful and tell you that he likes your cooking? Few women can resist that approach.

MRS. EARL LINGREN, Boone county, Iowa, takes her three children along when she and her husband eat in town at a restaurant.

Recently in a Wallace-Homestead Poll, we asked several hundred farm women this question:

"How often do you and your husband eat a meal in town at a restaurant or cafe? Once a week? Once a month? Four times a year? Or hardly ever?"

This is how they answered:

11% said they ate in town once a week.
28% said once a month.
20% said four times a year.
41% said "hardly ever."

One woman said disconsolately, "If it wasn't for the chores, maybe a farmer could get away for a meal more often. As it is, we do well to celebrate our wedding anniversary once a year."

Another woman from Greene county said, "We try to eat out every Saturday evening. It is a treat for me for we go to town and eat and then do our trading."

But one of the problems in eating in town is what to do about the children—take them along or leave them at home.

A young woman in Jones county said, "I'd love to eat at a cafe more often, but each time I have to get a meal ready for the children before I leave." We also asked this question:

"Do you take the children along with you when you eat at a restaurant?" This is what the farm women said:

Of the younger women (ages 20-34), 65 percent said they took their children with them. Among the middle-aged group (35-39), 82 percent said they took their children with them. (This is the age group with teen-age children who undoubtedly helped promote meals in town). Of the older women over 50, 40 percent took their children with them.

But farmers are sociable people. They do a lot of visiting back and forth among friends and relatives. Husbands seldom have to be talked into eating Sunday dinner with their folks up the road, or supper with friends. They don't often object to community or church suppers. In another survey, we asked a cross section of farm women this question:

"Where do you eat most often when you do eat away from home? 1. In town at a cafe? 2. At a friend's or relatives? 3. At a church or community supper? 4. Other places?"

Farm women answered this way:

In town	**20%**
At a friend's or relative's	**71**
At church or community suppers	**7**
Other places	**2**

Probably the young woman in Clay county expressed the feeling of many when she said "A group of us get together nearly every week for a pot luck supper and visit. We enjoy this more than going in town for we can take the children along."

Homemaking Today

***Edited By* ZOE MURPHY**

APPLE PIE? Mrs. Warren Rowles, Greene county, Iowa, spends a good bit of her time in her pleasant modern kitchen cooking for her husband and four children.

Cookery corner

Crescent Rolls

½ cake of yeast
2 cups flour
½ tsp. salt
1½ teaspoons sugar
¾ cup milk
½ cup butter

Scald the milk; add the sugar, and cool to lukewarm. Crumble in yeast, and let dissolve. Sift the dry ingredients into a bowl. Add yeast mixture to make a soft dough. Turn out on slightly floured board, and knead until smooth and elastic. Roll into a long narrow strip 5x12 inches. Divide the butter into five equal parts. On half of dough strip, spread one part of the softened butter. Fold over the other half of strip, and press down firmly. Wrap in waxed paper. Let stand seven minutes in the freezing unit of your refrigerator. Repeat rolling, spreading with butter, folding and chilling, four times. After the last rolling, wrap in waxed paper, and place in refrigerator overnight.

In the morning, cut the dough into two parts. Roll each into a round the size of a plate. Cut each round into pie shaped wedges. Roll up from the wide end, shape into crescents. Chill one hour. Glaze with one teaspoon melted butter and one teaspoon milk. Bake at 400 degrees, 12 to 15 minutes.

Jellied Veal Loaf

1 veal knuckle
1 lb. veal shank, diced
1 bay leaf
1 onion sliced
1 tablespoon salt
1 tablespoon worcestershire sauce
2 eggs hard cooked
8 stuffed olives

Have the knuckle sawed in three or four pieces. Place in a kettle. Add diced veal, onion, bay leaf and enough water to just cover the meat. Add salt and worcestershire sauce, and simmer for two hours. Remove the veal and knuckle.

Chop the meat into fine bits. Strain the broth, and cook it down to one cupful. Garnish the bottom of the pan with sliced hard cooked eggs and sliced olives. Add chopped veal. Pour the cup of broth over the meat. Chill until firm.

Old Fashioned Cole Slaw

4 cups shredded cabbage
2 teaspoons minced onion
¼ cup chopped green pepper or pimiento
1 teaspoon salt
¼ teaspoon pepper
½ cup mayonnaise

Place the ingredients in a large bowl in the order given, and mix well. Cover and chill. Makes four to six servings.

Soft Molasses Cookies

6 cups flour
2 teaspoons baking soda
2 teaspoons salt
1 cup sugar
1½ cups molasses
¾ cup butter
¾ cup warm water
1½ teaspoons vanilla

Sift together flour, soda, and salt. Combine sugar and molasses, softened butter, water and vanilla. Beat until well blended. Gradually add the sifted dry ingredients, mixing to form a soft dough. Chill about one hour. Roll out dough one-half inch thick, on floured board. Cut with 2½ inch cookie cutter. Bake on greased baking sheet at 375 degrees for about 10 minutes.

"We're coming up for Grandpa's birthday!"

. . . says little Carolee Jean Rogers

Carolee is only four years old, but you can see that she enjoys talking by long distance as much as anyone. We took her picture while she and her mother were exchanging good news with "Grandma," who lives about fifty miles away. Carolee's parents, Mr. and Mrs. Merrill Rogers, live on a 330-acre farm.

Talking to friends and loved ones is fun, and the Rogers' phone helps them in other ways, too.

"We'd be lost without our telephone," agree Mr. and Mrs. Rogers, "because we depend on it in doing so much of our work on the farm."

Helping midwestern farm folks like the Rogers family to easier and more pleasant living through good, low cost telephone service is an important job of the NORTHWESTERN BELL TELEPHONE COMPANY.

New **KENNEBEC POTATO**

BLIGHT-RESISTANT
Also New REDKOTE

KENNEBEC is most resistant of all to late blight and is also resistant to Mosaic and scab. Midseason maturity. Tubers are white, smooth-skinned with shallow eyes. Excellent cooking quality; good keeper. Kennebec is the heaviest yielder ever grown in Maine and has broken production records from Florida to Canada.

REDKOTE is a very highly colored new midseason potato. Cooks up mealy and white; uniform in size and shape with shallow eyes. Good resistance to growth cracks and skin bruising. High yielder; scab resistant. Averaged 365 bushels per acre in Minnesota test. Made 658 bushels per acre (highest of all tested) in Iowa.

We also offer other new varieties including blight and scab-resistant Cherokee. Read all about them in new seed and nursery catalog. Send for it.

WRITE FOR FREE CATALOG

FARMERS SEED AND NURSERY
21 N. 11th **Faribault, Minnesota**

Don't take chances with colds—

Relieve suffering this sure way that...

DOES MORE THAN WORK ON CHEST

Be especially careful! Remember, the worst part of the suffering from a chest cold is due to congestion and coughing. That's why you need medication that does more than just work on the chest. You need Vicks VapoRub — *because it acts two ways at once:*

1. VapoRub relieves muscular soreness and tightness, stimulates chest surfaces.

2. At the same time, VapoRub's specialized medicated vapors also bring relief with every breath.

You can't *see* these vapors ... but you can *feel* them ... feel them as they travel deep into the nose, throat and large bronchial tubes. The congestion starts breaking up. Coughing eases. Soon you enjoy wonderful, warming relief that lasts for hours.

So whenever colds strike, insist on the best-known home remedy to relieve suffering of colds—Vicks VapoRub!

Works Great in Steam, Too

For effective relief from *croupy coughs, that choked-up feeling* ... use Vicks VapoRub in vaporizer, as directed in folder.

Rub on Relief . . . Breathe in Relief **VICKS VAPORUS**

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Your Complete, Practical Farm

Income Tax and Record Book

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1. 17 chapters of down to earth practical discussion on all types of farm income tax problems . . . with all changes pertinent to the New Internal Revenue Code of 1954.

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3. A question and answer section discussing the questions that are asked most often by farmers. You get sample income tax blanks, depreciation schedule for farm property, family and net worth statements.

Your 1955 "Farmers Tax Saver" is written by Jack Miller, former attorney for the Office of Chief Counsel, Internal Revenue Bureau. He is past chairman of the Committee on Tax Problems of Farmers of the American Bar Association. Available by December 15th, your 1955 "Farmers Tax Saver" will be mailed to you just as quickly as they are off the press. Place Your Order NOW!

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Income Tax Editor
Wallaces' Farmer and Iowa Homestead
1912 Grand Avenue
Des Moines, Iowa

Please send me.....copy/copies of 1955 Farmers Tax Saver. Enclosed is $1.00 for each copy ordered.

Name .....

Town..... State.....

Rural Route.....or Box Number.....

Clip This Coupon

Country air

I'VE just been going thru one of those reorganizations that call for a thoro cleaning of my desk. I'm never proud of it, but this time I was really embarrassed to the point that I am driven to apologize.

There were letters from you Gentle Readers that have been put aside for a long time. They were tucked away waiting a time when better health, less pressure from personal situations, and a renewed response to good manners would bring me to answer them. Some I marked "Personal Ans." Some were marked "Use in Country Air."

Anyway my apologies to any of you who have not had an acknowledgement either by mail or thru these columns. We're starting all over again with a New Year's resolution to answer all mail in one way or another.

Sometimes I feel the need of farm women expressing themselves in terms of our modern living. Many of you are so concerned with the fast tempo of 20th century living that you don't take time to evaluate it. Sometimes I think we need a low fire in a wood burning range with a teakettle humming cozily on it to relax us to the point where we can take stock of ourselves and really savor the way we live.

Nice as lazy teakettles are, I don't want to go back to stoking a wood range just for the pleasure of a singing teakettle. But there are things in our modern work-a-day world that make us purr cozily. What do you like best from that angle? Just now when my pop-up toaster has a burnt out cord and is in the repair shop, I believe it would be my toaster.

In the days of the wood range, I used to make toast by warming the bread in the oven with the door open, then taking each piece on a long fork and browning it over a bed of coals. But there's nothing quite like the savory fragrance of delicately browned toast popping up alertly to mingle its fragrance with the aroma of breakfast coffee and bacon.

What a gracious gadget the toaster is! Shining, ready to go at all hours, easy to clean and productive of crunchy warm goodness to satisfy the morning hunger of chilled men or hungry school children.

Girls, lets have an old fashioned contest! Who can write the most lyrical paragraph about the modern gadgets that are so important in our homes? Is it your hot water heater—ready, able and willing—that makes you want to purr like a kitten in front of a fire? Is it the way your family's eyes shine when you turn out a new concoction with your biscuit mix?

Is it the smart way you feel when you have a soft new home permanent? Is it your deep freeze concealing in its depths frozen pieces of good living that gives you an unhurried attitude toward three meals a day.

Your children are going to grow up remembering these things as a part of their childhood. They'll have a sentiment for them as I do for the gleaming old hard coal stove. Or the way mud grip tires pulled me out of holes in earlier days. Can you put it in words?

They're more than that—they are part of our daily living. We don't want you to write an advertisement—just a paragraph about a part of your living that is very close to you. You really appreciate what you put into words. At a dollar throw.—Elizabeth C. Wherry.

In training . . .

SHERYL, age nine, helps her mother, Mrs. Sam Foster of Mahaska county, Iowa, with dishes. Housework, says Mrs. Foster, is a joy in their new home.

TRIM AND NEAT, Lugene Hoefle, of Greene county, Iowa, is dressed for a date. Lugene is a 4-H club style winner and an expert basketball player.

Getting ready for that special date

Extra confidence comes with being neat and well dressed

JUST once in a while, you have a date so special that you want to out-do yourself getting ready. If the young man in question is someone you admire very much, then perhaps you feel a need for all the confidence that you can muster.

Let's talk over a real check list that you might use for such a big occasion:

HAIR: This will have to be cared for before the last few hours. If you have a big day coming up, shampoo your hair ahead of time so that it will look its best. Hair usually appears more natural if it is set at least the day before. Fresh curls too often have crimps and creases from bobby pins.

BATH: Allow plenty of time for a leisurely bath. Trim your toe nails. Scrub your heels and elbows with a brush. After you bathe, make up for the loss of body oil with a good lotion. This is probably the best way to avoid the winter itching that is caused by both chapped skin and hard water. Rub lotion on your legs, into your heels and elbows, all over your body.

TEETH: Give your teeth an especially good scrubbing using the up and down motion with your brush. If you have any cavities that haven't been filled, be sure that they are clean. Salt water is excellent to use in cleaning the mouth.

HANDS AND NAILS: File your nails, then scrub your hands in warm soapy water. Gently push back the cuticle. If you use polish, don't accept less than a perfect job, and then, for goodness sake, don't wear it chipped and worn. Remove it after the big occasion. After your manicure, cream your hands and nails thoroly, allowing the cream to soak into them for several minutes.

CLEAN CLOTHES: Lay out clean undergarments and hose. Check your woolen outer garments for spots, using a good spot remover if necessary. It's a good idea to hang out heavy garments to air while you are brushing them.

Don't be lazy about pressing your clothes. Sometimes they aren't wrinkled, as such, but they are saggy and baggy from continued wear. As well as removing the sag, pressing can bring about good sharp hem lines and crisp lapels and pockets.

MAKE UP, HAIR, PERFUME: These are the finishing touches. After you dress, protect your shoulders while you comb your hair. Apply your make-up carefully. And finish off with the delicate touch of your favorite perfume.

It may not be possible to groom yourself perfectly except for the big occasion. However, with practice, you can learn to speed up the process so that it's possible to be well groomed every day. Remember that you are a member of a family unit. Learn to respect their needs. With good planning, it isn't necessary to be selfish with the bathroom, the iron, or even your own time.

Teen-agers

By
Kay Hergenrather

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Monday thru Friday
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Since 1899

SENSATIONAL BARGAIN! Two jumbo prints each good negative for the price of one, with this ad. 8 exposure roll Jumbo 35c, 12 exposure 50c. No limit number rolls with ad. Billfold prints 20 for $1.00. L. I. EASTMAN STUDIO, Bode, Iowa.

Be Safe and Secure Buy U. S. Savings Bonds

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HONEGGER Leghorns

AMERICA'S OUTSTANDING EGG AND PROFIT-PRODUCING BIRD!

Gambling with inferior or "cheap priced" chicks can be very expensive. You are taking chances not only with a considerable amount of feed, but also with your total **net profit!** You can eliminate this risk by relying on the famed Honegger Leghorn . . . the bird you can depend on for HIGH NET PROFITS.

PROVED IN PROFIT-MAKING

There's plenty of proof that Honegger Leghorns make you **more net profit.** They have won egg-laying contests coast-to-coast! As an example, in the California Net Earnings Tests, Honegger Leghorns have a **three**-year average of FIRST PLACE with an income above feed costs of $7.15 per bird producing 259 eggs per hen with livability of 91% in these 50-week tests.

Year after year, as shown by farm records, Honegger Leghorns produce **more eggs,** in many cases averaging **230 eggs or more** with earnings exceeding well over $4.00 per bird above your feed costs.

START MAKING MORE MONEY TODAY!

The Honegger Associate Hatchery nearest you can supply you with these famed Honegger Leghorns together with local assistance in qualified service and in poultry management. He or your local Big "H" Feed Dealer can help you own a highly profitable Honegger Leghorn "Egg Factory" . . . a program proved to put $2,000 to $4,000 or more annual income in your pocket through an **easily** managed and profitable poultry program. **Get full facts** on this plan now! See or write the hatchery nearest you.

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JONES FEED & SUPPLY CO., Newton, Iowa
MARTIN HATCHERY, Maquoketa, Iowa
PRIEBE and SONS, INC., Boone, Manning, Sac City and Sibley, Iowa
WHITTEMORE HATCHERY, Whittemore, Iowa
WILCOX POULTRY FARM & HATCHERY, Monticello, Iowa
PLEASANT VALLEY POULTRY FARM & HATCHERY, Lansing, Iowa
DURBIN'S HATCHERY, Wapello, Iowa

HONEGGERS'
BREEDER HATCHERY DIVISION
FORREST, ILLINOIS

Clean eggs are gathered from rollaway nest by Douglas, Kathleen and their dad, Gordon Upmeyer, of Hancock county, Iowa. Nest and droppings pit help to keep eggs clean.

The farm flock

JANUARY IS EGG month. The Poultry and Egg National Board is promoting January as egg month. They are encouraging the use of more eggs during January by consumers. Producers can help by using more eggs at home and by getting all their city friends to use more eggs.

▼ ▼ ▼

EGG PRODUCTION on Iowa farms reached a new high for the month in November. A total of 388 million eggs were produced in November compared to 366 million in November, 1953. The 1943-52 average November production is 270 million eggs.

▼ ▼ ▼

RATE OF LAY for Iowa farm flocks in November was 1,434 eggs per 100 hens. This is a record high for the month and is four percent above the November, 1953, rate of lay.

▼ ▼ ▼

THE NATION'S laying flocks produced six percent more eggs in November than last year. And 41 percent more than the 1943-52 average.

▼ ▼ ▼

WASTED FEED raises the feed cost per dozen eggs. Cut feed waste by filling hoppers half full or less, killing rats in the laying house and by culling non-layers.

▼ ▼ ▼

SELLING EGGS by grade will mean better prices for good eggs. And lower prices for poor eggs. Price spread between large grade A eggs and current receipt eggs was four cents per dozen on December 15, 1954.

▼ ▼ ▼

EGG MARKETING on a current receipt basis is costing midwestern egg producers millions of dollars each year. Some midwest states have passed egg grading laws. Most egg producers in these states are disappointed in the egg grading laws. In most states, the grading laws were passed without provisions for enforcement.

▼ ▼ ▼

EGG PRODUCERS in Illinois are about ready to junk or improve the egg grading law passed two years ago. No provisions were made in the law for enforcing it. No money was appropriated by the legislature for inspectors.

▼ ▼ ▼

MOST EGG MARKETING specialists say that compulsory egg grading laws must be self-policing to be workable. They think egg producers will have to police and report violations in egg grading.

▼ ▼ ▼

IOWA EGG PRODUCERS plan to introduce an egg grading law in the legislature this year. By studying provisions of egg grading laws passed by neighboring states, they should come up with a workable law.

▼ ▼ ▼

AN EGG GRADING law should provide protection for the producer, buyer and consumer. Some states have passed egg grading laws which provide protection only for the consumer. In this case, eggs could still be bought on current receipt basis but graded by the buyer and sold by grade to consumers. Producers get little help from such a law.

▼ ▼ ▼

CULL NON-LAYERS from your flock regularly. Keep a catching hook handy. Catch and inspect all doubtful hens. Small unthrifty, diseased, moulting, extra timid birds with yellow beaks and shanks after housing a month or two should be culled.

MORE THAN PAYS FOR ITSELF

PILOT BRAND OYSTER SHELL

FOR POULTRY

Without enough calcium carbonate a hen's production suffers and shells are soft.

To prevent this, keep Pilot Brand before them all the time. Fowls take it only when they need it, hence no waste. Production and profits increase way above the cost.

In the bag with the big blue Pilot Wheel
At most good feed dealers

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New Rochelle, N. Y. St. Louis, Mo.

Free Coupons Introduce New "Pot-O-Gold" Layer in All Localities

GEORGE BERRY ERNEST BERRY

A new chicken that lays as high as 25 dozen eggs for each 100 pounds of feed it eats is creating a sensation. In one large official egg laying test these rugged-as-a-mule Berigolds outlaid the average of 572 other hens. Laid 21 eggs average more per hen officially for year, eggs average weight over 25 ounces per dozen make Berigolds unusually profitable. Profits from 4,735 demonstration hens from Maine to California netted over $3.64 each, laid average 215 eggs per hen.

So impressive are the profits with Berigolds that the originators, Berry Brothers, have decided to let poultry raisers all over the United States compare Berigolds with other chickens at Berry's expense. A trial shipment will be made to one family in each community for demonstration purposes. Only cost is small handling and shipping charge. Any interested reader of this magazine is urged to write at once for Free Berigold Gift Certificate to nearest address: George Berry, 1357 Ajax Road, Quincy, Illinois; or Ernest Berry, 1357 Sunflower Road, Newton, Kansas. (Advertisement)

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When writing to advertisers please mention that you read their ad in Wallaces' Farmer and Iowa Homestead . . .

"When I think what a silly little innocent I was when I got married . . . didn't even know how to chop firewood."

"Convinced About Debeaking"

Have doubts about the wisdom or necessity for debeaking? So did Mrs. Merle Harland of Taylor county, Iowa. But not now. Here is the story as told by Mrs. Harland.

DEBEAK the pullets? Not necessary, I thought until recently. Must be some other way to get around the problem of feather picking and cannibalism.

The following precautions were taken at housing time:

1. Darkened nest. At least one nest for each four hens.
2. Three square feet floor space for each bird.
3. Six inches feeder space per bird.
4. Constant supply of fresh, clean water.
5. Ventilation for keeping litter dry.
6. Window area not exceeding five percent of floor space.

The pullets had been confined to the laying house for 10 days—then BANG; several pullets picked to death in one afternoon.

No longer a doubting Thomas, I was convinced the use of an electric debeaker was the only solution. The hatcheryman gave me directions for using the debeaker. Removal of one-third to one-half inch of the upper beak is recommended by most authorities.

Pullets should be handled carefully if debeaking is done after laying starts.

We waited until the birds had gone to roost before tackling the debeaking job.

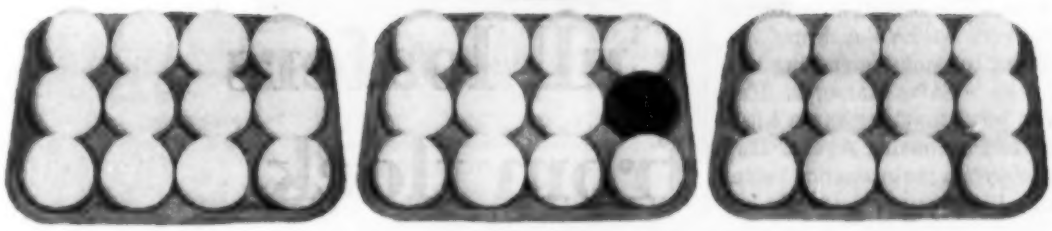
A four foot high woven wire was temporarily put across the laying house dividing it in half lengthwise. The pullets were then caught, debeaked and carefully put over the woven wire. This prevented their return to the roosts until all birds had been debeaked.

The debeaker seared the beak preventing severe bleeding.

Debeaking seems heartless, but so is picking other hens to death.

POULTRY AND EGG production has increased tremendously in the past 20 years. But the demand for these products has also increased. People are eating more eggs and poultry meat than ever before. The demand for turkey and broiler meat is being spread out over more of the year. Most families are eating chicken twice a week now instead of the once-a-week Sunday dinner.

would you give 2 dimes for 35 eggs?



If you would, order

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choice of egg color and body size

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Tinted-Egg, Medium Weight

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That's the story of Ames In-Cross genuine Hybrids. Split flock tests prove that Ames In-Cross Hybrid chickens average 35 extra eggs per hen. You get these extra eggs for as little as 2 dimes over the cost of a good standard bred chick.

If you want extra profit from 35 eggs, at an additional cost of about 2 dimes, get Ames In-Cross genuine Hybrids. See the Ames In-Cross hatcheryman listed below or write us for color catalog.

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I WAS JUST FIGURING...

—by Cy Watkins

"Farmers are all making a mint of money. Cadillacs for the kids. Florida in the winter. Why I know a farmer who . . ."

So it goes. Those are the words of some joker I ran into the other day. He thinks he's a business genius. I told him what I though with no punches pulled . . . told him that the real business genius is the successful farmer. You don't just drill a hole and grow money.

Today's farmer tops the man who owns and operates a small factory. His capital investment is bigger, so he's a Financier. He's got to know marketing better than a Sales Manager. He's got to buy smarter than a high-salaried Purchasing Agent. He's got to watch maintenance better than a Plant Supervisor. He has to know mechanics, chemistry, vet medicine, bookkeeping . . . and all this in his spare time. Because he's got a bigger full time job of plain hard work than any other man in the United States.

Believe me, the next "expert" that tells me the farmer's overpaid is gonna get the works. (I hope you're sitting on the jury.)

★ ★ ★

Ever hear the joke about the new grocer who was selling everything below cost? A lady asked him how he could do it. He says, "I lose money on every sale but I've got a terrific volume!"

There's a lesson there on eggs.

Some folks think if they can only avoid the winter laying slump, keep the volume high, they'll make money on eggs. Others figure they'll feed as cheap as they can . . . but they get the slump too.

Point is, you've gotta have the volume AND the margin of profit over cost. You need feed efficiency (less feed per dozen eggs) and you've got to keep egg production up . . . avoid that winter laying slump.

You can do both with our special Watkins Layer Ration based on the new Watkins Min-Vite for Poultry. That ration uses your own grain and protein, you get the needed vitamins and minerals from the Min-Vite . . . and you get the extra protection of both Terramycin and Penicillin.

Of course good management and sanitation have a lot to do with it, but you talk to your Watkins Man about that Poultry Min-Vite. You'll like what you hear. I think your hens will get a charge out of it too.

The J. R. Watkins Co., Winona, Minn.

Constant culling is an effective way to hold feed costs down and keep production rate high. Here Mrs. Floyd Hockaday, Cerro Gordo county, Iowa, examines one of her hens.

Cull loafers from flock

YOU CAN step up the egg production rate of your hens by culling out the non-layers. And you'll save feed when you take the loafers out of the flock.

Culling pays dividends. But it should be a continuous job. Pullets should be culled at housing time. In addition, you should watch the flock carefully for non-layers every time you go into the chicken house.

A lot of flock owners never cull their flocks. When 18 farmers were asked about culling, only three admitted culling regularly.

Most people in that group admitted they didn't know how to cull. When asked who culled her birds, one woman replied, "I always call the egg buyer. Sometimes he's too busy, so it may be a week or more before he comes to do the culling."

Her statement isn't too unusual. But picking out non-layers isn't too difficult. All that's necessary is to recognize the symptoms.

"Falling feathers," says Mrs. Floyd Hockaday of Cerro Gordo county, Iowa, "are the first thing to notice. Sometimes they're an indication of molting that may take as long as six months. In the meantime, that hen is eating a lot of feed and shelling out only a few eggs."

Mrs. Hockaday won a county egg-laying contest with an 80.4 percent production for 11 months. Constant culling of non-layers paid off in higher production rate.

Color is another indicator of non-layers which Mrs. Hockaday watches closely as she does her flock chores.

In yellow-skinned breeds, the color fades from beak, shanks, eye ring, etc., as laying progresses. The yellow pigment returns when laying is stopped. When Mrs. Hockaday sees a hen with lots of pigment in her beak and shanks when the pigment should be fading, she culls the hen.

Myron Heggedahl of Goodhue county, Minn., another topnotch egg producer, points out other signs. A laying hen has a soft, full, red comb. Her eyes are bright and alert. In general she presents a healthy, active appearance. A non-laying hen, according to Heggedahl, will have a dried, shriveled comb, pale in color. She usually is not as alert and active as a good layer. "Sort of mopes around," Heggedahl says.

Culling enables a flock owner to keep his flock at an efficient level of production during the first laying year. It should be started when the pullets are housed. In the fall of the year at the molting season, the molt helps distinguish between good and poor layers. The later into the fall a hen lays before she molts, the better layer she is.

Mrs. H. L. Christianson of Mitchell county, Iowa, points out that the abdomen of a good layer usually is rather large, soft and pliable. Non-layers, on the other hand, have abdomens packed full of hard fat.

Mrs. Christianson, like Mrs. Hockaday, feels that producing eggs can be an interesting job—or a tedious chore. If you like chickens, you'll feed them regularly. In addition, you'll see that the house is properly insulated and dry. And you'll gather eggs two or three times daily and care for them properly.

"Biggest mistake some flock owners make is not to house the birds at the right time," Mrs. Hockaday says. "We get our chicks May 1 and try to house them October 1. They're ready to lay at that time. Some people delay housing the birds because it isn't convenient at the time. That cuts down production."—Harold Severson.

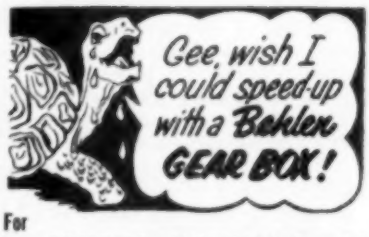
LITTER LITE
Poultry Litter Conditioner
helps keep eggs clean

SAFE • EFFECTIVE • ECONOMICAL

Litter Lite absorbs moisture. Helps prevent litter crust. Gives you cleaner litter, cleaner eggs. Made of high quality ground limestone. Pleasant to use—no chance of burns or blisters.

Ask your feed dealer for Litter Lite Litter Conditioner in 50 lb. white paper bags.

IOWA LIMESTONE CO.
Des Moines, Iowa



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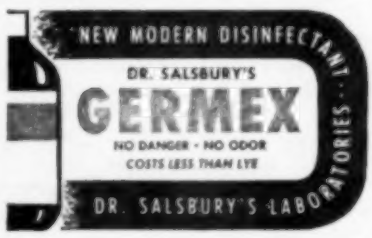
Dept. G-3 Columbus, Nebr.

Nagging Backache Sleepless Nights

Often Due to Kidney Slow-down

When kidney function slows down, many folks complain of nagging backache, headaches, dizziness and loss of pep and energy. Don't suffer restless nights with these discomforts if reduced kidney function is getting you down—due to such common causes as stress and strain, over-exertion or exposure to cold. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages.

Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!



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Becomes Heavy-duty Soldering Iron When Soldering Tip is attached

Electric dehorning can be done any time of year, no loss of blood—no open flesh wound. Attains correct high heat for continuous operation. $15.95.

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CLIPS Cows, Horses Mules, Dogs, faster, better

Clipping reduces sediment—lowers bacteria count. Clipped cows are easier to keep clean. $39.95 (Colo. and West. $40.25)

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Attachment for Clipmaster, $19.50 (Colo. and West, $19.75) Unit with motor $42.50 (Colo. and West $42.75)

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Give injured, cut or chapped teats and udders prompt antiseptic treatment. Apply Spohn's UDDER-AID. Kills germs on contact. Aids prompt healing. Stays soft—easier to use. Ideal for massaging congested udders. Only $1.00 at drug stores or sent direct.
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ENDS BLACKOUTS WHEN HI-LINES FAIL!
LOW-COST PROTECTION • QUICKLY ATTACHED!

For the first time in capacities to 25 KW—an emergency generator that connects directly to power take-off (no belts). 110/220 Volts A.C. stationary or trailer. Capable of continuous duty beyond power lines. Also belt-driven models, complete power units, generators to 300 KW. Low Cost.

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Northern hardy Alfalfa, Clovers and Grass Seed. Ranger, Vernal, Ladak and Grimm Alfalfa. Yellow blossom, White blossom and mixed sweet clover, Medium red clover, Empire strain trefoil. Alsike and other legumes. No. 1 and certified Common, Lincoln and Lancaster brome, Timothy, other grasses. Certified Rodney oats. Write for price list and free samples. Farmer agents wanted. North Dakota Grimm Alfalfa Ass'n, 500 Co-operating Growers, Fargo, N. D.

"Could you hold on a second? I left some faucets running."

Corn Varieties Resist Borers

Corn borer defense adopted by hybrid seed corn breeders is to develop hybrids that resist the first brood of borers and tolerate the second brood.

This program for corn breeders was described by F. F. Dicke, U. S. Department of Agriculture entomologist. He spoke to members of the American Seed Trade Association at their meeting in Chicago last month.

Death of first brood borers occurs mostly in the first few days, Dicke explained. They live on the leaves and stalk.

Second brood borers usually establish themselves on the tassel or buds, moving quickly to the ears or ear shoots.

Borer resistance and tolerance can be inherited, said Dicke. "Development of new inbred lines having an acceptable degree of resistance to first brood borers appears to be relatively easy."

Hogs Paid Most For Feed

Hogs returned $178 for each $100 worth of feed consumed on well-managed Illinois farms in 1953. Returns from hogs were better than from any other livestock.

Dairy cows returned $147 for each $100 of feed. Poultry earned a return of $148.

Feeder cattle returned only $81 for each $100 worth of feed. Cow herds and native sheep also failed to pay for feed.

Figures are not out for 1954, of course, but feed profit and loss margins will be shown to have changed when 1954 figures are available.

For example, hog returns will probably be down around the 21-year average of about $147 for each $100 of feed. And feeder cattle will show up much better than in 1953. Maybe reach the $124 average.

Figures on return per $100 of feed are furnished by the Illinois College of Agriculture. They are based on records of farmers who have cooperated with the college in keeping books.

AMBER-COLORED bottles or paper cartons and careful handling will help prevent off-flavors sometimes found in vitamin-fortified low-fat milk. Wisconsin workers found that sunshine—or even bright light—reacts with the vitamin A material used to fortify the milk. They found that the off-flavor could develop when milk was exposed to sunshine for as little as three minutes.

Better Farm Hygiene...with Hi-lex

FOR GRADE A MILK production . . . use Hi-lex . . . a Grade A disinfectant! One ounce Hi-lex to 4 gallons water makes a massage dilution to prevent mastitis! Change dilution every 7 cows. A disinfectant and deodorizer for milking equipment, too. Protects against off-flavors, souring, odors, spoilage.
Fast! Safe! That's Hi-lex action . . . a simple, effective bactericide.

Buy the GALLON Buy the CASE

Grade A farms are Hi-lex Clean
DISINFECTANT — SANITIZER — DEODORIZER

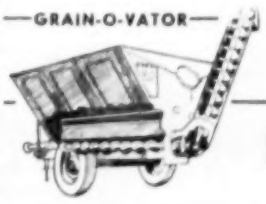
SEEING IS BELIEVING HUMBOLDT SNAP-TACH LOADERS

ELIMINATE TIME TAKING MOUNTING AND DISMOUNTING

1 DRIVE IN SNAP-TACH is self supported — no more lifting or timing up.
2 SNAP-TACH Exclusive rear bracket design permits easy on or off mounting.
3 DRIVE OFF A few minutes and you are ready for action. No need to tie up your tractor when you have SNAP-TACH.

For the first time a LOADER designed to eliminate time taking mounting or dismounting. The heavy duty design offers years of trouble free service. Available with either single or double acting cylinders. Write for complete information or see your implement dealer.

GRAIN-O-VATOR



HAULS, UNLOADS, ELEVATES, MIXES—a one man operation. Handle your feeding chores with speed and efficiency. Two models to handle your every requirement. Write for complete details.

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MORE ECONOMICAL GAINS, better roughage conversion and a good finish is what Lloyd Joiner of Humboldt, Iowa, gets from FELCO Feeds. Lloyd and his father, Harold Joiner, have used FELCO for more than five years because, "we get more feed value for our feed dollar from FELCO." The Joiners get cooperative savings too by patronizing their own business, their local Farmers Cooperative Elevator.—(Advertisement)

Better Rations Will Give You
A HAPPY NEW YEAR!
by Henry Arthur

YOU can have a prosperous and happy 1955 if you take full advantage of all the facts available on livestock feeding and management.

A great deal of progress has been made in increasing the efficiency of animal production in the past few years. These facts are available to you upon request from your Farm Experiment Station. It will cost you only a few minutes of your time and 3 cents postage to get the answers to your questions.

Twenty years ago a well fed broiler weighed approximately 2 pounds when it was 10 weeks old. Today a well fed broiler will weigh about 3½ pounds in the same 10-week period. What's more, modern broiler feeds produce these gains at *less cost* than the best formulas available 20 years ago!

Similar advances have been made in swine feeding during the same period. This was demonstrated by an experiment conducted at the University of Minnesota last year.

● Using littermate pigs of the same size, the University workers fed one pig a ration of corn and mineral. Its littermate was fed a modern ration which included *linseed oil meal*. The pigs fed the modern ration reached market weight at less than 5 months of age and at a feed cost of about $10 per 100 pounds.

The pigs fed the old fashioned ration did not reach market weight until many months later. Their feed cost was more than $17 per 100 pounds of gain, too.

It's quite obvious that a modern ration is more profitable all the way around!

Write to me—ask for my "Home Mixed Rations" booklet using Minnesota 36% Linseed Oil Meal. Your dealer has Minnesota 36% or he'll get it for you. There's a *quality difference*.

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There's a Quality Difference

MORE of Everything you Want
VALLEY LOADERS

- Maximum Visibility
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- Fits BOTH wide front and Row Crop Tractors at no Extra Cost
- Reinforced Strength

With power both ways you can plunge in and actually bulldoze frozen manure. Special die stamped bucket with rounded corners doesn't clog. Formed steel lifting arms are reinforced for extra strength. Hot forged steel bucket teeth. Full accessory line available.

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Valley, Nebraska

Bladder 'Weakness'
If worried by "Bladder Weakness" [Getting Up Nights (too frequent, burning or itching urination) or Strong, Cloudy Urine] due to common Kidney and Bladder Irritations, try CYSTEX for quick, gratifying, comforting help. A billion CYSTEX tablets used in past 35 years prove safety and success. Ask druggist for CYSTEX under money-back guarantee. See how much better you feel tomorrow.

DRAINS Cellars, Cisterns, Wash Tubs; IRRIGATES Gardens; SPRAYS; etc.
ALL-PURPOSE PUMP—home, garden, farm. Pumps 2400 GPH, 300 GPH 75' high, or 1200 GPH from 25' well. Use 1/6 to 3/4 HP motor. Motor mounting included. 1" inlet, ¾" outlet. Does not Clog or Rust! Postpaid if cash with order. MONEY BACK GUARANTEE.
Also larger Centrifugal Pumps and Gear Pumps in all sizes.

LABAWCO PUMPS $7.45
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Behind The News

Cheaper feed next fall

Benson says changes in the farm program will lower prices of corn and other feeds

Our Washington correspondent reports the historic press conference in which Secretary Benson announced the new loan and compliance policies. Turn back to page 10 for editorial comment.

WASHINGTON, D. C.—Secretary of Agriculture Benson has dropped the so-called "cross-compliance" provision of his 1955 farm program. Under this provision, farmers would have been required to comply with acreage allotments on all crops in order to be eligible for price supports on any crop. The provision had been designed to prevent use of acreage diverted from surplus crops under marketing quotas from being used to grow corn.

He also dropped a regulation aimed at preventing diverted acres from being used to grow commercial vegetable crops and potatoes.

The chief effect of Benson's new action will be to make 1955 a big livestock feed production year.

Acreage allotments and marketing quotas will hold down production of wheat, cotton, tobacco, peanuts and rice. As a consequence, much land diverted from these crops will be planted to corn, oats, rye, barley and grain sorghum.

In fact, the secretary, in announcing his decision to drop cross-compliance, invited expanded production of livestock feed. He said:

"The drouth is severe in widespread areas, and there is need to rebuild feed supplies in much of the south, the southern great plains and parts of the west."

* * * *

Benson also announced that price supports for 1955 crops of oats, rye, barley, and grain sorghums will be at 70 percent of parity compared with 85 percent this year.

He told a news conference that he believed these rates would encourage some increase in production of these small grains, but not as much, however, as would higher rates.

"With the increased acreage of these small grain crops that occurred this year, and is in prospect for 1955, it is estimated," he said, "that total cash income from these crops will be considerably higher next year than in 1953."

* * * *

The secretary said also that the new freedom to produce more feed grains and the lower price supports should provide a larger volume of feed at cheaper prices.

When Benson said it appeared that the 1955 corn crop will be supported at either 87 or 88 percent of parity, he was asked if this difference in support rates between corn and the other grains would not give these other grains a marked price advantage over corn in commercial feed markets.

The secretary did not believe this would be the case. He said reports indicate that fully 50 percent of the farmers in the commercial corn area will plant more corn than their acreage allotments. Corn grown by such farmers would not be eligible for price support loans.

The result would be, Benson said, market prices for corn in line, on a feeding value basis, with prices for oats, rye, barley and grain sorghums supported at 70 percent of parity. This would mean corn selling at around $1.30 a bushel.

Benson said the lower feed prices would encourage expanded use rather than storing the grains under price supports.

"Indications are that much more of these small grains will be placed under price support this year, and with high-level price supports, this trend could have continued next year. The lower supports are expected to encourage better adjustment and freer flow of the four grains into feed use."

* * * *

Secretary Benson is counting on the lower feed supports and heavy non-eligibility for corn supports to relieve some of the complaints of dairy farmers over the lower dairy supports.

Dairymen have objected to 75 percent dairy supports on the grounds that feed grains have been supported at 85 to 90 percent.

With feed grains selling at 70 to 75 percent of parity, dairy production costs would be lower, leaving the way for better net returns from milk and butterfat.

* * * *

The secretary told his news conference that his recent order requiring divorcement of extension service activities from farm organizations is running into no organized opposition. He did concede, however, that his order will require considerable changes in some states, particularly Iowa and Illinois. Legislation in these states will be needed, he said.

The secretary emphasized, however, that the department will be very patient with the states in effecting the changes. In other words, the department will continue to operate under the old plan until the states have had ample time to make legislative changes.

* * * *

In its latest outlook report on the dairy situation, the agriculture department says there is likely to be a surplus of dairy

(Continued on page 39)

Keep Teat Open
Keep It Healing
Keep It Milking

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Contain Sulfathiazole
The medication is IN the Dilators and is released slowly for prolonged antiseptic action. Dr. Naylor Dilators provide gentle, non-irritating support to delicate lining of teat canal, keep end of teat open in its natural shape while tissues heal.

EASY TO USE . . . Simply keep a Dr. Naylor Dilator in the teat between milkings until teat milks free by hand. Smooth, waxed tip for easy insertion. Fit either large or small teats.

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Dr. Naylor's MEDICATED Teat Dilators

CUT PLOWING COSTS
Get better crops!

Lantz Kutter-Kolter . . . The original 2-blade Coulter

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Save Their Own Price

The double-slicing action of Lantz 2-Blade Coulters cuts through trash, roots and stubble . . . aids plows in covering . . . avoids frequent stops to clear clogged plows. Gives "non-stop" plowing. Proved by 200,000 users. Only Lantz makes 2-blade coulters . . . a patented feature. You plow faster . . . save time, labor, fuel and money. They pull just as easily as other special coulters. Lantz is your best coulter buy.

TWO TYPES: The LANTZ KUTTER-KOLTER, famous since 1939, and the NEW MODEL B for plows of limited clearance . . . also two-way or left-hand plows.

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Save trips to town, and money

The New LANTZ "Swinging" SICKLE GRINDER
New engineering makes it lighter, handier, sturdier, more compact, low cost. Only $37.50, f.o.b. factory. Slightly higher in west. Motor extra. Send for folder, and dealer's name.

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EASY WAY TO DELOUSE LIVESTOCK IN WINTER

In the winter your livestock and poultry are almost certain to be devitalized by lice and other vermin, which cut gains and lower egg and milk production. Yet, using a dip in chilly weather is dangerous. The answer is Corn King Dry 50 . . . a dry insecticide with 50% active ingredients. This higher percentage of 4 vermin killers means that Corn King Dry 50 goes much further, kills much faster, and is easier to use. Just sprinkle on animals and on floor, bedding or litter. A deodorant, too . . . counteracts unpleasant odor in livestock quarters. Ask for Corn King Dry 50 at your feed dealer's, hatchery or druggist's.

Corn King Cedar Rapids, Iowa

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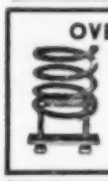

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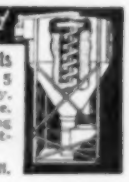
Mixes perfect blend in 10 min., 5 sizes, 700 to 4000 lbs. capacity. Given years of trouble-free service.



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12 H.P. CHAIN SAW

USES YOUR TRACTOR POWER
30 g.p.m. hydraulic pump driven by power take-off. Flexible hoses to saw transmit 12 smooth h.p. Greater capacity, smooth sawing. Trims, fells, bucks... saws at ANY angle.

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18" TO 44" CUTTER BAR
NEW LOW PRICES

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Simple, inexpensive mounting changes Power Head to universal power drive. Twelve smooth, flexible h.p. drives augers, elevators, corn shellers . . . dozens of other uses.

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Four bolts secure heavy-duty digger to Power Head. Unit has chain drive . . . replaceable, hardened cutting tips... digs 9" hole 3' in half a minute!

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NOW A BETTER THAN EVER T-19 SEEDER!
One Man Can Seed 100 Acres in ½ Day!

New, Adjustable and Calibrated SEED CHUTES assure a more accurate seed pattern for better stands of all small grains and grasses.
Thousands of Model T-19 SEEDERS in use is proof that farmers everywhere have found it profitable to use in their seeding operations.
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FREE BOOK—on Rectal Troubles

Here is good news. This 130-page, up-to-the-minute book on Piles, Fistula and other related rectal and colon ailments—will be sent free for the asking. It may save you much suffering, time and money. Write today—McCleary Clinic and Hospital, 181 Elms Blvd., Excelsior Springs, Mo.

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CERTIFIED CLARK SOYBEANS AND MO. 0-205 OATS FOR SALE.
ALLEY SEED CO., MARSHALL, MO.

PUT SOME OF THAT EXTRA CASH INTO SAVINGS BONDS

The Easy Way to Save
Start Buying Today!

Milk cow prices lowest since '46

(Continued from page 38)

products again in 1955, since production will continue to be large and consumption is expected to show only a moderate increase. It says, however, that the surplus supply is not likely to be as large as in the past two years.

The department also reports that in recent months the average price received by farmers for milk cows has been $142 to $145 a head. This is about seven percent less than a year earlier and the lowest since the third quarter of 1946, when price ceilings still were in effect on meats part of the period. This seven percent reduction in the past year in milk cow prices stands in sharp contrast to the eight percent increase in the average prices received by farmers for beef cattle.

* * * *

The National Grange has served notice in its monthly magazine that it will oppose any efforts in the new session of congress to repeal newly-enacted legislation extending pension benefits of the social security system to farm operators.

This legislation was passed by the last session of congress over objections of some farm leaders and pleas of the American Farm Bureau Federation that the matter be delayed until it could be determined whether farm operators wanted it or not.

Under the new legislation, farmers would make their first contributions toward the pension by April 1, 1956.

The Grange says it is convinced farmers want the benefits.

* * * *

Workers in the Department of Agriculture are distrurbed by the attempt of Secretary Benson to discharge Wolf Ladejinsky, veteran employee of USDA and for years assigned to the state department as agricultural attache in Japan. Ladejinsky had much to do with the successful farm re-settlement program in Japan and enjoys a high reputation as an expert on Asiatic problems.

Why Benson wants to fire him is not clear. Ladejinsky was born in Russia, speaks with an accent, but has always been anti-Communist. Congressman Judd of Minnesota says Ladejinsky is one of the most effective workers against Communism that the United States has had in the far east.

* * * *

Winter wheat prospects are down compared to a year ago. Official guess now is that the crop may be 14 percent under 1954.

Estimates are more difficult this year because of the new rule which permits unlimited planting provided excess acres are plowed under before harvest.

If the spring wheat crop hits 200 million bushels, this would make a total wheat crop of around 880 millions. At present, domestic consumption plus exports use up a little more than this. Such a crop, provided exports hold up, would mean a slight reduction in the big wheat carry-over.

Livestock farmer P. E. Kelley of Creston, Iowa, has been feeding FELCO FEEDS since 1948. He raises 100 hogs, feeds 20 to 30 steers a year. Says Kelley: "I have fed FELCO because I felt it was the best feed. My steers have always done good. I especially like the molasses in FELCO Beef Supplement because the steers drink more water." And Kelley shares in the cooperative savings at Creston where he is a member. Now you can buy FELCO Beef Supplement with Stilbestrol, the amazing gain promoter for beef cattle. See your local cooperative elevator manager for details about FELCO FEEDS and how you can share in the cooperative savings.—(Advertisement)

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MINNESOTA Certified Seed Potatoes

are grown under rigid requirements and inspected by well trained, qualified inspectors of the State Department of Agriculture. CERTIFIED SEED POTATOES ARE SOLD BY THE GROWERS. . . . Select your variety . . . we supply the grower. List of Growers available on request.

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U. of M., St. Paul Campus, St. Paul, Minn.

S & H SILAGE CHIPPER
Removes Frozen Silage Easier — Faster
SAVES MONEY • SAVES TIME • SAVES WORK

- 2 models—power propelled—hand propelled
- Cuts 3 inches deep into solid frozen silage
- Eliminates all waste
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- Loosens hard packed grass silage year around

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Takes the back-breaking work out of winter feeding—silo walls are left clean to save you money—save you time because S & H chips to fine pieces that are thawed and ready to eat by time silage reaches feed box.

FREE FOLDER Paste this ad to postcard with your name and address.

Dept. I-15, S & H MANUFACTURING CO., Winthrop, Minnesota

IT'S EASY TO PUT UP SILAGE AND HAY!
WITH NEW McKEE Suction Forage Blower

Fewer man hours required. Eliminates expensive wagons and unloaders. One man can unload up to 20 tons of silage per hour. Heaviest fan in any suction blower. 10" pipes will not plug. Available with belt drive or power take-off. See your local dealer or write today for free literature and NEW LOW PRICE!

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CRAWFORDSVILLE, IOWA

NEW Trojan Guaranteed HOG WATERER

• NO FLOATS • ONLY TWO MOVING PARTS • FULLY AUTOMATIC
Non-freezing GRAVITY TYPE . . . No heating unit required . . . easily attached to barrel or tank . . . ALSO PRESSURE TYPE for indoor or outdoor areas. Price $6.55 delivered. See your dealer or write for folder . . . satisfaction or money back.
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on how to lick your DRAINAGE PROBLEMS

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Eighteenth Annual

Iowa Hereford Association

SHOW AND SALE

JANUARY, 24-25-26

Cedar Rapids, Iowa

At Hawkeye Downs

225 HERD RANGE
Farm Bulls

125 FOUNDATION
Females

January 1, 1955

Dear Mr. Cattleman:

Christmas is over, and the New Year is here. Yes, it's Income Tax time, but also time for us to make our plans, not only for 1955, but for the future as well.

May we suggest that you consider starting a herd of BEEF CATTLE, or adding to the good herd you have. During all the years of fluctuations in prices, the beef market has been good. The public prefers beef.

A herd of HEREFORDS are an asset to you. They are a source of steady income—they help conserve our soil by adding fertilizer and organic matter—they will add to the beauty of your farm—they are a pleasure to work with.

THE BEST HEREFORDS OFFERED FOR SALE IN IOWA SELL THROUGH OUR ANNUAL STATE SALE.

We will pool your purchases so that your truck bill will not add much to the price you pay. FREE catalogs on request. Write

Jim Mulvihill, Secretary, Cumming, Iowa

AYRSHIRE SALE

Sale at farm, 4 miles south on No. 69 of

OSCEOLA, IOWA
SATURDAY, JANUARY 8, 1955
Starting at 12:00 Noon
32 REGISTERED CATTLE

- 19 DESIRABLE COWS
- 4 CHOICE HEIFERS
- 3 SPLENDID YEARLING HEIFERS
- 5 BEAUTIFUL HEIFER CALVES (Suitable for 4-H & F.F.A. work)
- 1 GOOD BULL CALF

All officially calfhood vaccinated. T.B. and **Bangs** tested within 30 days of sale. Choice, richly-bred cattle, with type, merit and production. Ask for **FREE** catalog. Kindly mention this publication. Address

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—Quality Hereford Cattle—

Sell Monday, January 10th, Knoxville, Iowa

JOHN DITTMER & SONS SALE

Selling 79 Head

47 BULLS — **51 Horned Herefords**

32 FEMALES — **24 Polled Herefords**

An opportunity to obtain the right kind, with proven blood lines. Included are several by a son of Golden Aster, the bull responsible for the recent high averaging sale of E. O. Johnson, Milford, Iowa. Send today for **FREE** catalog. Please mention this publication. Address

JOE DITTMER, LACONA, IOWA

LAST CALL!!!

ADEL HEREFORD SALE

Horned and Polled Herefords Sell

JANUARY 8th, ADEL, IOWA

Sale at 12:00 Noon, in comfortable sale pavilion, 20 miles west of Des Moines

141 HEAD

94 BULLS — **47 FEMALES**

68 Bulls Ready for Service

Send today for your **FREE** catalog. Please mention this publication. Address

ALBERT DEWITT, Sale Mgr., PERU, IOWA

Livestock News

The **"Bread and Butter" Angus** sale, with cattle from Otto Frank, Manilla; P. K. Pratt, Walnut; Findlay & Christensen, Harlan, Iowa, and Charles F. Beermann, Dakota City, Nebr., held at Denison, Iowa, Dec. 7 filled the sale pavilion to capacity with the results as follows:

68 females averaged $431
7 bulls averaged $451
75 lots averaged $432

The top of the sale was Fannie Bess of Walnut 7th from the P. K. Pratt herd. She was a yearling daughter of Globe Hill Elleenmere 1500th and sold for $2,150 to Model Farm, Mundelein, Ill. Queen Dolly of Walnut 5th, a January heifer by Pridestor of Glencarnock, went to Dick Nobis, Davenport, Iowa, at $1,225. Blackcap Bessie of Ebon 2d by Baron Bardoller of Walnut 2d, from the Chas. F. Beermann farm, went at $1,300 to Goose Creek Farm, Muscatine, and Robt. Slutz, Letts, Iowa. Queen Dolly of Walnut 6th was selected by T. R. Jones, Tuckerman, Ark., at $1,050. Grover Moritz, Kirksville, Mo., paid $1,000 for Blue Lady of Walnut 15th. Ebon Blueblood Lady, a May heifer from the Beerman herd, sold for $950 to McElheney Angus Farm, Rippey, Iowa. Blackcap Bessie of Findlay, a three-year-old daughter of Homeplace Elleenmere 26th from the Findlay & Christensen herd went at $410 to Lindgren Bros., Paton, Iowa. Ruthelie of Val Mar 140th, a May yearling daughter of Elf'Tonier 3rd consigned by Otto Frank, sold for $410 to Bar H Ranch, Columbus Jct., Iowa.

Walnut Elleenmere 3rd, a Pratt bull, sold for $700 to Tom Barrett & Son, Irwin, Iowa. Walnut Elleenmere 2d, another son of Globe Hill Elleenmere 1500th, sold for $700 to Ray Siders, Inman, Nebr. Auctioneers were Roy Johnston and Woodruff.

The **International Shorthorn Congress** sale held at the International sale pavilion, Dec. 1, attracted an exceptionally large crowd.

35 bulls averaged $963
33 females averaged $800
68 head averaged $872

Top of the sale was lot two, Kilburnie Augusta Ransom, entered by R. F. McKinlay and Sons, Morpeth, Ontario, Can. He sold for $5,100 to W. J. Russell, Unionville, Ontario, Can. Second top was the champion bull of the sale, cattle lot 12, W. L. Bank Standard 8th, consigned by W. C. Anderson & Son, West Liberty, Iowa. He sold for $2,650 to C. R. Hooker, Platt City, Fla.

Top of the females was $2,700 paid twice——first on lot 46, Ringwell Augusta Ellen, entered by Ringwell Farms, Ringwood, Ill., selling to Fred McWilliam, Wilson, Ill., on order; second on lot 52, Briardale Princess Delica 3d, from the herd of Torrance Beardmore, Mono Mills, Ontario, Can., going to Mrs. W. L. Lyons-Brown, Prospect, Ky. Lot 68, Brookside Rosebud 2d, was the second top, consigned by Earl E. Evans & Son, Woodstock, Ohio. Buyer was W. H. Boutell, Grand Blanc, Md.

Iowa buyers took several head. Dr. John Dwar, Cherokee, Iowa, bought a bull for $1,000—lot 14, Kirkton Masterman. Bremer Brothers, Cushing, Iowa, took lot 16, Bilmar Hall, for $675. Don Olbrecht, Harlan, Iowa, bought lot 28, Helnor Leishman, for $1,500. John Thompson, Scraton, Iowa, paid $425 for lot 34, Prim Bolido. W. W. Smith, Paullina, Iowa, paid $600 for lot 38, Glassel Command.

The sale was managed by the Shorthorn Association. Auctioneers were J. E. Halsey and C. D. Swaffar.

A large crowd of **Hereford** breeders and commercial men from a three state area—Iowa, Nebraska and Missouri—were on hand at the Ralph L. Starry & Sons dispersion sale at Orient, Iowa, Dec. 2. Bidding was rapid, and demand at a reasonable price was strong. Averages were as follows:

8 bulls averaged $382
36 females averaged $235
44 lots averaged $262

Noa Johnson, Cromwell, Iowa, paid $440 for the top female lot, Rita Domino WHR, and heifer calf by H.C.R. Super Larry 18th, Miss Domino Type 12th and heifer calf by H.C.R. Super Larry 18th brought $350. Kenneth Peterson, Red Oak, Iowa, paid $130 for the calf, and Noa Johnson paid $220 for the cow.

Top on bulls was $1,000 paid by Noa Johnson for the Starry senior herd sire, H.C.R. Super Larry 18th, a four-year-old son of MW Larry Domino 107th. Merle Henry, Talmage, Nebr., paid $370 for H.C.R. Larry 24th, a May '53 son of the "18th."

Col. Freddie Chandler cried the sale.

The Orval Burchett & Sons fifth annual **Hereford** sale at their ranch, Grand River, Iowa, Nov. 6 attracted a very large crowd of cattlemen from a wide territory. They presented well-bred cattle, in just pasture condition.

The top was Miss Burchett 9th and May bull calf selling for $317.50 to Bill Cattarick, Marengo, Iowa, who bought several head. The top bull calf was Burchett Triumph 24th, an April calf selling for $167.50. The 10 bull calves averaged $99.25. The 32 females, several of them 1954 heifers, averaged $137.36.

Livestock News

The International "Show Window" sale of **Aberdeen Angus** cattle, held Monday night, Nov. 29, attracted an overflowing crowd.

10 bulls averaged $1,024
40 females averaged $1,407
50 lots averaged $1,331

Top bull was lot 42, Mole's Hill Eileenmere 91st, consigned by Mole's Hill Farm, Sharon, Conn. Buyer was Russell Eversale, Basil, Ohio, for $2,250. Second top was lot 10, Prince Peer 110th of Denmore. He sold for $1,525 to Hillcrest Farms, Galla Planes, Va.

Great Oakes Stock Farm, Rochester, Mich., was the buyer of the sale top, lot 11 female, Fannie Bess of Denmore 11th, for $7,400. Consignor was Paul B. Dennis, Wilmington, Ohio. Elder Welch, Yellow Springs, Ohio, took the second top Blackcap Missie of T.F., at $3,450. She was consigned by Turkana Farms, East Liverpool, Ohio.

Johnson Bros., Ida Grove, bought lot 23 Black Beauty Zara G. 2d for $1,250. She was entered by Max Goldberg, Moorhead, Minn.

M and R Farms, Grand Junction, Iowa, was one of the heaviest buyers in the sale taking several head of the medium priced females.

The **Midiowa Hereford Association** fall show and sale at Marshalltown, Iowa, December 6, brought out a very good attendance.

22 bulls averaged $261
46 females averaged $183
68 lots averaged $211

Andy Paterson, Clemons, Iowa, made the awards in able manner. The champion bull, S. Colo Domino 4th, shown by John Schild sold for $440 to E. M. Meyer & Son, Belle Plaine, Iowa. Reserve champion KHF Prince Aster shown by Harold Kleis sold for $350 to Michael Mallinger, Duncombe, Iowa. H. Baca Duke 18th, from the Delmar Heishman farm sold for $350 to Edward Rix, Jr., Fonda, Iowa.

The champion female was Princess Larry 6th from the herd of L. F. Koep & Son, and went at $300 to Theo. Martin, R.3, Marshalltown, Iowa. Reserve champion female was Silver Duchess 5th shown by Vernon Brown, and sold for $260 to Eldon Lamb, Webster City, Iowa. They sold six steer calves that averaged $161 and 12 heifer calves at $131 each. Mrs. Harold J. Peterson, secretary, worked hard to help make the show and sale a success. Auctioneer was Fred Chandler.

The **Illinois Polled Hereford Association** sixth annual winter show and sale held at Princeton, Dec. 3 and 4, attracted a large crowd.

47 bulls averaged $422
71 females averaged $285
124 lots averaged $339

The top of the the sale was the champion bull lot 43, ES Royal Plato 12th, consignor, Edward Schrock & Sons, Pekin. He sold for $1,065 to James Douglas & Sons, New Holland, Ill. The reserve champion, lot 45, FCF Prince Larry, entered by Spring Valley Farm, Crystal Lake. He sold for $800 to Elmer Howard & Son, Darlington, Wis.

Reserve senior champion, lot eight, B. Captain Plato 2nd, entered by Evans E. Brittin, Williamsville, went for $535 to Gant Hereford Farm, Blanchardville, Wis. Reserve junior champion lot 36, OF Gold Master 9th, from Oakside Farm, Tremont, was bid off by Don Irwin, Hanover, Ill., for $475.

The second top on bull was lot one, BF Larry Real 3rd, an entry from J. L. Betzelberger & Son, San Jose, Ill. He sold to Peddicord & Savage, Marseilles, Ill., for $1,010.

The champion female was lot 127, Miss ES Royal Lady 1st, another Edward Schrock & Son entry. She sold for $785 to Robert Lindquist, Salem, Wis. Larry K. Junk, Carthage, Ill., was the buyer of the reserve champion, lot 62, LFB Dominess 55th for $375. Consignor was Lloyd D. Becker, Mason City, Ill. The senior champion, lot 136, McC Miss W. Misch 2nd, entered by J. A. Walsh & Son, Carmi, sold for $600 to Clarence Leinweber, San Jose, Ill. Reserve senior champion, WSF Quannah Kate, sold for $600 to Vern Jackson, Mendota, Ill., and was entered by Ward Stock Farm, Carmi, Ill.

The offering sold to Iowa, Wisconsin, Indiana and Illinois buyers. The sale was under the management of Ernest Painter, Laharpe, Ill. Auctioneers were Guy Pettit and Tom Sherlock.

The **Holstein Dispersal** of Marlow Farm, No. 2, at Mankato, Minn., Nov. 27, was very successful. The top, Marlow Regal Roamer Alma Goldy, a three-year-old herd sire, went at $1,025 to C. Warhurst & Son, Owatonna, Minn. Top female was Burke Marlow Cloudy Pride, a two-year-old, and sold for $950 to Louie Wojtkiewicz, Thorp, Wisc. Jerger Bros., Barnsville, Minn., purchased 20 head. C. Warhurst & Son bought seven head, and Raymond Housh, Hay Springs, Nebr., selected five head. The 28 cows and two-year-olds averaged $461.78. The nine calves under 3 months old averaged $143.55. The 14 open yearling heifers averaged $318.78. The seven heifer calves over three months old averaged $265.71 and 10 bulls averaged $321.50. Buyers were from Iowa, Minnesota, Wisconsin, Nebraska, South Dakota and North Dakota. The sale was managed by G. R. Melin of the Minnesota Sales Co.

— IOWA'S ANNUAL —

SHOW WINDOW ANGUS

STATE SHOW AND SALE

Des Moines, Iowa

Jan. 31—Feb. 1 and 2

Held in Comfortable Heated Sale Pavilion at the State Fair Grounds

Show at 8:00 A. M., Monday, January 31st

Judge: Ralph May, Valentine, Nebraska

All Bulls Sell Tuesday, Feb. 1, at 10:00 A. M.

All Females Sell Wed., Feb. 2, at 10:00 A.M.

—320 HEAD SELL—

BUY AT THE

Nation's Largest Angus State Show and Sale

7TH ANNUAL FUTURITY SHOW

151 HEAD — 75 BULLS — 76 FEMALES

$5,285 in Prize Money

OPEN CLASS SHOW

145 HEAD — 60 BULLS — 85 FEMALES

8 Pens of Three Females

Top Quality At Reasonable Prices

Iowa Angus breeders have long made this the "Show Window" sale of their state. They select their best. The large number offered give buyers a wide selection. Top herd sire prospects, foundation females, replacement stock, and a large number of rugged heavy boned bulls for the commercial producer will be offered.

The offering will feature the blood of many of the nation's top sires, and many of the most popular families, among them the following, will be offered:

5 GAMMERS
7 BLUEBLOOD LADIES
4 BLACKCAP BESSIES
7 GEORGINAS
4 ZARAS
6 MAID OF BUMMERS
5 BLACKCAP EMPRESS
7 HEROINES
2 EVENING ERICAS
2 BEAUTY OF HAYSTON

CHERRY BLOSSOM
BLACK JESTRESS
WITCH OF ENDOR
KATINKA
PAULINE T.
BEULAH
MEGNONNE
BLACKBIRD PROGRESS
RUTH OF TILLYFOUR
ANNUITY
SUNBEAM HYACINTH
EDWINA
ERIANNA
COQUETTE
BLACKCAP MARJORIE
BROOKSIDE ELLUNA
MISS MINIVER
PORTLETHEN LUCY

Albers, Lloyd C. .... Spirit Lake
Arnold, Merle .... Spencer
Beesley, Robert .... Monroe
Baughman, V. L. .... Bloomfield
Brown, T. N. & Sons .... Nichols
Bond, Ray & Lloyd .... Winterset
Bruce, Earl .... Altoona
Bonsink, Nelis & Son .... Monroe
Brown & Hansen's .... New Liberty
Boney, M. W. .... Storm Lake
Broniman, Forrest & Hazel .... Brooklyn
Braught, Ira .... Ackworth
Barr, Clyde .... Scranton
Bowne, Ben .... Batavia
Clement Bros. .... Newton
El-Jon Farms .... Rose Hill
Eiler, Mr. & Mrs. Harold .... Tipton
Emerson, Ott & John .... Knoxville
Ferguson, Cope & Sons .... New Sharon
Figland, C. A. & Sons .... Searsboro
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Goodman, Clarence M. & Sons .... Rhodes
Graham, Earl & Sons .... Gilman
Greiman, Addis & Sons .... Garner
Greenmere Stock Farm, True Fuller .... Marshalltown
Gillespie, Cecil E. .... Winterset
Garner, Dwight M. .... Ida Grove
Hansell & Ward .... Leon
Harmon, Rex & Sons .... Creston
Harmon, R. M. & V. W. .... Afton
Hatcher, J. E. & Sons .... New Virginia

Hopley Farms, Wayland .... Atlantic
Harken Farms .... Osceola
Ideal Farms .... Clarinda
Ivins, Ben & Vera .... Corydon
Imlau, Wm. F. .... Kensett
Johnson Bros. .... Ida Grove
Enoch & Bob Johnson .... Arthur
Kauffman, G. W. .... Waukee
Kilpack, J. M. & Son .... Logan
Kentridge Farms, Russ Brannon, Mgr. .... Muscatine
Koch, M. H. & Son .... Colo
Knop, Fred & Sons .... Charter Oak
Koster, Roy .... Gladbrook
Larsen, Dr. L. W. .... Greenville
Lacock, W. W. .... Farnhamville
Leonard, Harry A. & Sons .... Perry
Laird, Lawrence L. .... Ankeny
Mugge, A. A. & Sons .... Spencer
Meade, Ralph .... Mt. Pleasant
Mommsen, Waldo .... Clinton
McElheney, Harold & Sons .... Rippey
McHeiney, Harold & Sons .... Rippey
Newman, Harry & Son .... Martelle
Nelson, Lawrence P. .... Brayton
Nau's Angus Farm .... Mt. Pleasant
Overton, Robert S. .... Knoxville
Oliver, Leslie .... Williamsburg
O & R Farms .... Scranton
Pratt, P. K. .... Walnut
Pagemere Angus Farm, Jake Stimson Div. .... Clarinda
Robinson, Willard & Bob .... Masonville
Rodgers, Stanley .... Milton

Rotter, E. H. .... West Point
Russell's Angus Acres .... Bedford
Redfern, Kenneth .... Yarmouth
Robinson Bros. .... Masonville
Riggle, C. J. .... Osceola
Rohrdanz, Carroll .... Killduff
Seehusen Bros. .... Pomeroy
Steeve, O. H. & Sons .... Clarinda
Stuart, Albert .... Newhall
Boorholtz, Warren .... Melbourne
Sunset Knoll Farm .... Ames
Stringer, Arnold .... Farnhamville
Smith, L. J. & Sons .... Hedrick
Swanson, Oscar W. .... Davenport
Schmuecker, Henry & Sons .... Amana
Smith, Lyle V. .... Sigourney
Spring Valley Stock Farm .... Bayard
Stringfellow, Rodger & Jennie .... Rose Hill
Studer, Ben G. .... Wesley
Timber Top Angus Farms .... Rippey
Tebben, Henry .... Wall Lake
Vander Werff, Dick .... Sully
Varley, Chas. E., Jr. .... Menlo
Whittum, A. H. .... Stuart
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Wallace, William .... Jefferson
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Williams, D. C. & Sons .... Jefferson
West, Garnett & Sons .... Altoona
Zmolek, Don .... Hudson
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AT HOTEL FORT DES MOINES

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Auctioneers, Johnston and Hagel — **Halsey, Sherlock, and Stone, Fieldmen**

CRESTON
Hereford Breeders Sale

Thurs., Jan. 20, Creston, Iowa

Sale Starts at 12:30 P. M.

65 Head
OF QUALITY HEREFORDS

35 Bulls — 30 Females

This offering is of proven ancestry, rich in the blood of the ZATO HEIRS, TRIUMPH DOMINOS, LARRY DOMINOS, INTENSE DOMINOS, BACA ELATIONS, HELMSMANS, and of WHR HERITAGE.

Most of the bulls are of breeding age now, many calved in 1953. One proven sire, Larry Mixer 3d.

Included in the female offering will be a group of young cows with calves at side, as well as a splendid group of open and bred heifers. Real foundation brood matrons for the new breeder. There will also be several good calves, the right ages and type for the 4-H or F.F.A. boy or girl.

CONSIGNORS

Adolph Beck	Lenox	W. Wayne Sheriff	Orient
Wayne Benton	Menlo	Harvey Rostet	Greenfield
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Handrock Hereford Farm	Osceola	Wimmer Herefords	Afton
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"REMEMBER CRESTON, IOWA, THURSDAY, JANUARY 20th, FOR QUALITY HEREFORDS"

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LLOYD H. WOODS, Secy., ORIENT, IOWA

Auctioneers, Chandler & Howe — Arch Stone, Fieldman

Lin-Hill Angus
DISPERSION SALE

Denison, Iowa, January 26

Selling Over 100 Lots

Including:

ANKONIAN 3506th

A son of Homeplace Eileenmere 999 35th, sire of two first prize bulls at the International in both 1953 and 1954.

ALSO FEATURING:

Outstanding Young Bull . . . and Heifer Calves by former Herd Sire, Homeplace Eileenmere 106th, a bull now at the head of the large herd of George A. Doll, Fort Morgan, Colo. The offering is also rich in the blood of Burgess Bandolier of Anoka 12th, a grandson of both Blackcap Grenadier G. R. 10th, and Bandolier of Anoka 10th.

The Families . . .

Black Jestress — Juana
Bluebland Lady — Eluna
Blackwood Lady — Talan Blackcap
Primrose — Judy Blackcap
Heroine — Hartley Edelia
Georgina — Blackcap Empress
Jiff — Miss Burgess
Zara — Rosemere Barbara
McHenry Barbara

The Sires of the Cattle Selling . . .

Ankonian 3506th
Burgess Bandolier of Anoka 12th
Homeplace Eileenmere 106th
Homeplace Eileenmere 99th
Homeplace Eileenmere 26th
Homeplace Eileenmere 4th
Eileenmere 1050th
Eileenmere 1103d
Ankonian 3216th
Eileenmere 500th's 5th
Bandolier 7th of Wilton
Bandolier 142d of Wilton
Bandolier 140th of Wilton
Prince Bandolier 7th
Prince of Lakewood 5th
Prince Juan of R & Mc
Blackbird Bandolier of Anoka 25th
Palomar Prince
Wintonier 4th

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JOE LINDHOLM, Owner, AUDUBON, IOWA

J. E. Halsey, Fieldman

IOWA
POLLED HEREFORD ASSN.
Invites You! Annual Show and Sale!

Iowa State Fair Grounds Pavilion
SHOW — 9:00 A. M., Tuesday, January 11th
Judge: J. C. Holbert
SALE — 12:00 Noon, Wednesday, January 12th

DES MOINES, IOWA, JANUARY 11 & 12, 1955

45 GOOD BULLS — 25 WELL-BRED FEMALES

An excellent offering consigned from 31 leading Iowa Herds. The bulls, well grown, most all ready for service. Sired by great sires, pleasing in type, conformation and quality. You can find a Herd Bull here; the large number affords a wide selection. The 25 females include choice bred heifers, mated to top sires and attractive open heifers, ideal for replacement and foundation heifers. The consignors are:

Berkland Brothers, Inwood; J. W. Campbell, Tiffin; Ben Curran, Mason City; Curran Stock Farm, Mason City; Ernest Day & Sons, Grimes; J. K. Fennell, Allerton; Eitel Gelhaus, Radcliffe; Harold O. Hansen, Dickens; Charles Hart & Son, Conway; W. A. Hodgson, Eagle Grove; Frank Hubbard, Clinton; John B. Janssen, Wellsburg; Orion Johnson, Harcourt; Kelleher Farm, Winterset; Harvey Kline, Melrose; Krug Bros., Atkins; R. M. Leonard & Son, Waukee; J. H. Logan, Batavia; Marshall E. Mock, Grand Junction; Redman Farm, Leighton; Riverside Farm, W. H. Campbell & Glen E. Pore, Grand River; Don Ries, Dickens; Carl Ross & Son, Gray; Bernard C. Schulte & Sons, Norway; John C. Schulte, Norway; Raymond Timmerman, Cherokee; Westhaven Place, Denison; Elmer Willey, Vincent; Fred T. Wright, Grimes; Herman Wurster & Sons, Clearfield; Louis J. Marzen, Marble Rock.

They are rich in the best blood of the breed. You can find plenty of good, richly-bred cattle in the 70 head. Start the NEW YEAR right . . . with POLLED HEREFORDS. Plan now to attend. Ask for FREE catalog. Kindly mention this publication. Address

LEIGH R. CURRAN, Secy.-Mgr., R. 3, MASON CITY, IOWA

Auctioneer, Charlie Corkle — T. W. Sherlock, Fieldman

BANQUET—6:30 P. M., Tuesday, January 11th, Hotel Savery. All are cordially invited.

★ To Des Moines, Iowa, January 12th

2 Bulls, ready for heavy service — 3 Females

All Sired by our well known MODEST C LAMPLIGHTER 7th

We believe the bulls are the best we have ever consigned. The females include 2 open heifers, and one bred to our new herd sire, CMR Advance Mischief 14th, a proven son of the great National champion, CMR Rollo Domino 12th.

★ To Adel, Iowa, January 8th

3 Bulls, ready for service, and one open heifer of breeding age, all by Modest C Lamplighter 7th.

ERNEST DAY & SONS, (Polled Herefords), GRIMES, IOWA

3 GREAT BULLS SELL—DES MOINES, IOWA, JANUARY 11-12

BH ROYAL DOMINO 35th, August 2-year-old son of Hervaleer Royal Domino, 1949 North Dakota Reserve Grand Champion, 3rd at National. His son, BH Royal Domino 14th was 1953 Reserve Champion Northwest Iowa Show and Sale.

BH ROYAL DOMINO 48th, a beautiful May yearling son of Hervaleer Royal Domino out of a Dam by Master Domino.

BH ROYAL DOMINO 56th, a choice September yearling by same sire out of Dam by Master Domino. Three Genuine Herd Bull prospects.

4 GOOD BULLS. 3 Summer Yearlings, 1 Senior Calf, same breeding and equal quality sell in Northwest Breeders Sale, Sioux City, Iowa, February 2d.

BERKLAND BROS., INWOOD, IOWA

TWO TOP QUALITY BULLS

SELL AT DES MOINES, IOWA, JANUARY 11-12, 1955

CSF IOWA CHOICE 36th. A choice April yearling by CSF Choice Domino 2d. Dam by Domino Aster. A Herd Bull prospect, well-grown, ideally marked.

CSF IOWA CHOICE 39th. A desirable April yearling nicely marked by CSF Choice Domino 2d. Dam by CSF Domino 17th. Rugged, with style and quality. He will please.

CURRAN STOCK FARM, R. 3, MASON CITY, IOWA

THREE TOP BULLS SELL
At Iowa State Polled Hereford Sale
DES MOINES, IOWA, JANUARY 12, 1955

All ready for service. Two by **MONARCH DOMINO 14th,** top selling bull at Oskaloosa two years ago. Other is by **LARRY LAD,** a bull that is siring top calves for us. Look them over sale day.

CHARLES HART & SON, CONWAY, IOWA

2 Bulls and 1 Choice Heifer Sell at Des Moines, Iowa, January 11-12, 1955

2 SONS AND A DOUBLE GRANDDAUGHTER OF

MAJOR L. DOMINO 13th

He sired champion and top selling bull 1952 State Sale and top selling bull 1954 Northwest Iowa sale. Also 1953 Reserve Champion female at Sioux City and Reserve Champion purebred Hereford heifer 1954 4-H Show, Spencer. A full brother to these two bulls sells. Here is a genuine herd sire for someone. The other bull will please. A beautiful heifer. See them.

RAYMOND TIMMERMAN, CHEROKEE, IOWA

First Annual
HEREFORD PRODUCTION SALE

Sale held in heated pavilion on farm, 1½ miles west of Atwater and 12 miles east of Willmar on U. S. 12

ATWATER, MINNESOTA
MON., JAN. 3rd

Starting at 1:00 O'clock

30 Bulls — 10 Heifers

Choice bulls, serviceable age, with type and merit for herd bulls. Sired by **MW LARRY DOMINO 142d** and **CK TRUSTY TONE,** sire of Champions. 10 beautiful heifers by above sires and mated to **ZATO HEIR P. 29th.** Foundation females. Ask for **FREE** catalog. Kindly mention this publication. Address

BUER BROS. — ATWATER, MINN.

First Annual
Tri-State Draft Horse Breeders Show and Sale

AUSTIN, MINNESOTA
APRIL 9-10, 1955

BELGIANS
CLYDESDALES
PERCHERONS

Consignors contact at once. Also write for **FREE** catalog. Address

DON SCHNECKLOTH
R. 3 — Davenport, Iowa

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead.

LIVESTOCK NEWS

The **Ted Griswold Polled Hereford** sale held at Lancaster, Wisc., Dec. 9 attracted a large crowd in spite of the bad weather the night before.

26 bulls averaged $513
27 females averaged $321
53 head averaged $415

The top of the sale was an added entry as an extra lot, bought by D. W. Chittenden for J. V. Simmons, Johannesburg, South Africa, for $2,000. Second high was lot 15-A, Beau Perfect 1st. Buyer was Helmer Hovden, Ridgeway, Iowa.

Lot 30, 5-J Miss Rollo 2nd, was top female for $600. She went to Circle M Ranch, Senatobia, Miss. H. J. Mueller, Joy, Ill., was the buyer of the second top, lot 43, 5-J Lady Rollo 1st for $490. The cattle sold as follows: 29 head to Wisconsin, Iowa five, Illinois four, Mississippi three, Minnesota one, and one to Africa.

A capacity crowd of about 500 leading **Hereford** followers from several states packed the ringside at the Luckhardt Farms 40th Anniversary sale at Tarkio, Mo., Dec. 7. The outstanding offering of well groomed and well presented Herefords drew much favorable comment, and were in strong demand thruout the sale. Averages were as follows:

11 bulls averaged $558
57 females averaged $363
70 lots averaged $417

LF Proud Mixer 69th, a son of HG Mixer Gwen, brought $1,000, the bid of Robert Carr and Thomas, Mt. Ayr, Iowa. LF Proud Mixer 77th, another son of HG Mixer Gwen, also brought $1,000, going to Clyde Althouse, Eagle, Nebr., and Munn Bros., Waverly, Nebr. The third bull to bring $1,000 was an extra lot, an outstanding April '54 herd sire prospect by Greenhill Larry 40th, selling to Harvey Wagner & Son, Ottawa, Ill., and Lloyd Raber & Son, Graymont, Ill.

H. W. Helms & Sons, Elgin, Iowa, paid $725 for LF Miss B. Larry 9th, a daughter of Greenhill Larry 18th bred to CK Zato 24th, the top young Luckhardt herd sire by TR Zato Heir 40th. LF Miss M. Larry 14th, a daughter of Greenhill Larry 40th bred to CK Zato 24th, brought $640, the bid of Carl Mardorf, Anamosa, Iowa.

Cols. Charles Corkle and Gene Watson cried the sale.

Leading **Angus** breeders from a four state area nearly filled the large sale barn at the Pagemere Angus Farm (Jake Stimson division), and Arlavon Angus Farms (Art Johnston, owner), sale at Clarinda, Iowa, Dec. 16. Every animal in the auction was either by, bred to, or had a calf at side by Pageeileenmere 10th, the great young herd sire by Homeplace Eileenmere 26th. The get and service of this "Type Setter of the Midwest" was in very strong demand thruout the auction. Averages were as follows:

7 bulls averaged $1,251
59 females averaged $408
66 lots averaged $497

Top of the sale was $3,025 paid by Edlen Angus Farm, Atlantic, Iowa, for Pageileenmere S. 5th, a top November '52 prospect by the "10th." Howard Hanson, Rowan, Iowa, paid $2,000 for Pageileenmere S. 4th, an October '52 son of Pageileenmere 10th.

Black Queen of Eileenmere 10th, and top bull calf by the "10th" brought $985, the bid of Flying D Farms, Columbus, Nebr. Edlen Angus Farm paid $880 to own Pagemere Elba S. 32d, also selling with a bull calf at side by "The Type Setter."

Cols. Roy Johnston and Jim Morris cried the sale.

More Meat Means More Profit

BUY HAMPSHIRES

Buy your bred sows early, and select the "cream of the crop." These leading Iowa breeders are in business to serve you. Contact them for your Hampshire needs.

JOHN B. BROEK, Sioux Center
(2¾ miles north on 75)
RAY J. DANIELSON, Nevada
(6 miles north and ½ miles east)
DUNCAN & SMYLIE, Columbus Junction
(6 miles west and 3½ miles north)
JAMES K. DUNN, Wyman
(1 mile south)
EINFELDT & HOGAN, Durant
(½ mile north and 1½ miles west)
HAROLD FISCHER, Swea City
(1 mile east and 1 mile south)
FRANTZ BROTHERS, Grand Junction
(1 mile east)
FRED F. GOODCHILD & SONS, Mallard
(1 mile north, 4 miles east and ½ mile north)
DELMAR HARDISTY, Corning
THEO. HEINEKING (Robin Lane Farms), Hampton
(5 miles west and 2 miles north)
DALE HOOVER, Mt. Sterling
(1 mile south, 2 miles west, 1½ miles south of Bonaparte)
DR. J. M. JONES, Milford
(In town on 71)
C. T. KEEN & SON, LeGrand
(8 miles east of Marshalltown on No. 20)
ALLEN LANG & SONS, Brooklyn
(4 miles west and 4 miles north)
ALBERT J. LARSON, Ayrshire
(1 mile south and 2 miles west)
LENHART BROS., Tama
(1 mile south on 63 and 4 miles southwest on main gravel)
CARL F. LETTOW, Busy Way Farm, Iowa Falls
(5 miles south on No. 65)
MATT LOCATIS & SONS, Fort Dodge
(3 miles east and 1 mile south)
FRANK MADERA, Traer
(In town, hogs at east edge of town)
ROY MANDERS & SONS, Adel
(5 miles north, 6 miles west on 64, 1 mile south on gravel)
BERNIE MARTINS, Postville
LEON MAXWELL, Collins
(4½ miles south and ¾ miles west)
McDONALD FARMS, Clemons
(6 miles north and 1 mile east)
DALE McGRAW, Pleasantville
(2 miles south and ½ miles east of Beech)
DARRELL W. NEWLIN, Swea City
LEE C. NORRIS, Fremont
(1 mile west, 4 miles south and 1 mile west)
G. WAYNE OLSEN, Atlantic
ALLEN PAXTON & SONS, Montour
(2 miles west on 30, 7½ miles south)
EMERY RIEMENSCHNEIDER, Pierson
(¼ mile east, 3 miles north and ¼ mile east)
RAYMOND SCHWARTZ & SONS, Walnut
(9½ miles southeast, follow signs)
ANDY SIEFKER, Belle Plaine
(3 miles south and 1½ miles east on 212)
JOSEPH A. SKOW, Wesley
(2½ miles west on 18 to sign, 1 mile north and ¼ mile west)
HOWARD SOORHOLTZ & SON, Melbourne
(1 mile east and ½ mile south)
ANDREW STEENHOEK, Prairie City
PERCY A. TUFTS, Bondurant
(Northeast edge of town)

HOLSTEIN DISPERSAL

Under cover at farm on No. 18, one-half mile west of

BOYDEN, IOWA, WED., JAN. 5th
47 REGISTERED CATTLE

22 OF PRODUCTION AGE, 10 springers, 7 fresh, 5 milking. 15 HEIFERS, from 10 to 24 months old, 5 to freshen in spring. 7 HEIFER CALVES, outstanding for 4-H and F.F.A. 3 BULLS—The great two-year-old herd sire, 1st at All-Iowa and 2d at 1954 Iowa State Fair. His 6 nearest dams average 836 lbs. fat 4% test. 2 yearling bulls from record dams.

Iowa's top herd to sell this winter. DHIA average 480 lbs. fat. Milking from 60 to 91 lbs. Records from 420 to 670 lbs. fat. SPIES & LIEN breeding. Granddaughters of PABST REGAL. 15 best yearling heifers in Mid-west. All T. B. and BANGS tested or calfhood vaccinated. Catalog on request. Address

CLAUDE E. WYLAM, Sale Mgr., WAVERLY, IOWA
PETER MORET, Owner, BOYDEN, IOWA

Fifteenth Annual Tri-State
SHORTHORN SALE

(In comfortable, heated pavilion, Fairgrounds)

SHOW:—9:30 A.M., Judge Norman T. Findahl, Waterville, Minn.

Sibley, Iowa, Tues., January 11, 1955

Sale Starts Promptly at 12:30 P.M.

50 HEAD
30 BULLS — 20 FEMALES

This prominent regional event with a record of 14 successful sales presents another outstanding individually inspected and selected offering.

THERE IS A GOOD BULL HERE FOR EVERYONE

25 Bulls are from 15 to 21 months old. 14 Females are bred.

This offering is sired by really top sires that have been imported or are top show and breeding bulls. The consignments come from richly bred herds. Buyers from many states annually buy their seed stock here. Always something new for old customers. The Consignors Are:

Frank Adams & Son, Hartley, Iowa
C. H. & R. D. Arthur, Spirit Lake, Ia.
Bennett Camery, Worthington, Minn.
Melvin Camery, Worthington, Minn.
George Cox, Grand Forks, No. Dak.
Dewar Bros., Cherokee, Ia.
E. W. Dunn & Ervin Griese, Hartley, Ia.
Joe Elston, Windom, Minn.
Clayton Goodell, Montgomery, Iowa
Ervin H. Hamann, Inwood, Iowa
E. A. Hansen & Sons, Bricelyn, Minn.
Irvin Hansen, Walnut Grove, Minn.
B. R. Hatch & Son, Alta, Iowa
H. Russell Held, Hinton, Iowa
Ralph Hellings, Harris, Iowa
Geo. A. Helmers, Sibley, Iowa
Howard Hildreth & Sons, Estherville, Ia.
Martin Luinstra, Brewster, Minn.
Lawrence McHugh, Peterson, Iowa
Clyde Palmer, Harris, Iowa
Kenneth Riedemann, Hartley, Iowa
P. H. Warwick, Dickens, Iowa
C. A. Weaver, Larrabee, Iowa

Make Your Plans to Attend the FIRST SALE OF THE NEW YEAR at SIBLEY, IOWA, on TUESDAY, JANUARY 11, 1955.

Write for **FREE** catalog. Kindly mention this publication. Address

ALBERT J. HAMANN, Secy-Mgr. **ROCK RAPIDS, IOWA**
Auctioneer: J. E. Halsey T. W. Sherlock, Fieldman

IOWA CHESTER WHITE SWINE BREEDERS

BE SURE TO ATTEND THE SALES OF THE CHESTER WHITE BREEDERS AND SELECT A CHESTER WHITE SOW

Chester Whites are Prolific.
Chester Whites are Good Mothers.
Chester Whites raise Large Thrifty Litters.
Chester Whites have a Quiet, Gentle Disposition.

The popular 1954 Iowa State Fair Grand Champion sow. A fair sample of the wonderful sows of the breed.

THE FARMERS' FAVORITE BREED
"JOIN THE PARADE TO CHESTER WHITES"

Following is a complete list of members of the IOWA STATE ASSOCIATION. Write or call them for your Chester White needs.

Nick Terpstra & Sons, New Sharon
Ted Ver Steegh, New Sharon
Roy V. Copp & Son, Glidden
R. E. Williams & Sons, Iowa City
George Belding, Stuart
Lewis Schwab, Brighton
M. P. Moore & Son, Central City
Howard Elson, Bondurant
A. H. Petersen, Jesup
Seth Johnson & Son, Kiron
Cliff Wills, Sibley
R. A. Riemenschneider, Kingsley
Albert H. Stuart, Newhall
Ted Towbridge, Marshalltown
Clarence Smith, Jr., Primghar
Walnut Hill Farm, Wilton
W. A. McMahon, West Liberty
J. L. Dickenson & Son, Knoxville
Ross Willey & Son, Onawa
Boyd Morgan, Lamoni
Layton Miller, Runnells
Walter Kukkuck, Preston
Ralph Troyer, Kalona
Homer DeBoer, Orange City
Lewis Hearen, Rock Rapids
E. H. Momken, Manson
Glen Rinehart, Britt
S. R. Woodruff & Son, Indianola
A. L. Bidne & Son, Lake Mills
Henry Jurgensen, Olin
Robert Teeters, Paton
Emmett Allan, Clarksville
Harold Johannes & Sons, Kent
Henry Dickenson, Sabula
Bill Bishop, Manchester
Ed Harms & Son, Amber
Hoover & Henry, Elliston, c/o Merrill Henry
Wayne L. Spire & Son, Montour
Peter Larsen, Audubon
Smith Implement Co., Bondurant
Kenneth Wendt & Son, Buckingham
Robert Vosseller, Plainfield
Walter Schminke & Sons, Van Horne
Active Acres, Oksaloosa
Willard Fee, Cherokee
M. J. Teig & Son, Stanhope
Dale Keen, Le Grand
Lewis Hearen, Rock Rapids
Bob Meyerhoff, Dunkerton
Emory Kettells, Des Moines
Clifford Bogaard, Orange City
Ben Zishka, Spencer
Dale Keen, Le Grand
Charles Harrington, DeWitt
Howard Jones, Boone

IOWA CHESTER WHITE SWINE BREEDERS ASSOCIATION
A. H. Petersen, President, Jesup, Iowa
Walter Schminke, Secretary, Van Horne, Iowa

FEED KENT "THE FEED WITHOUT A FILLER"

RUSS BRANNEN SAYS:
Junior Feeders—get your calves on full feed now to be ready for August showing. Get the successful Kent Show Feeding Program at your Kent Dealer.

HOMEPLACE EILEENMERE 687th

PENNEY & JAMES ANGUS

The Homeplace show herd will be shown at leading fairs in 1955. Your inspection is invited.

Annual Production Sale — February 7th
BREEDING STOCK FOR SALE AT THE HOMEPLACE

PENNEY & JAMES
HAMILTON, MISSOURI ORLIN L. JAMES, Mgr.

ABERDEEN ANGUS

Angus heifers make
SUPERIOR MOTHERS

Less calving trouble
Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk
Angus cows are alert, aggressive mothers . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.

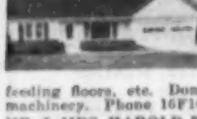
PINEHURST ANGUS
"The Original Home of Bandoliers"
These top sires
BANDOLIER 61 OF PINEHURST
By Bandolier Belmar 53rd
BANDOLIER 4th OF BATES
By Bandolier of Prospect 2d
Mated with 75 outstanding breeding cows. Young bulls, bred and open heifers for sale.
HENRY SCHMUCKER & SONS
Amana, Iowa
Farm 2 miles north of Amana on No. 149

Calves by our Junior Herd Sire
HOMEPLACE EILEENMERE 479th
1693118 are arriving. We are happy to report they are pleasing. Young stock for sale at all times.
ADDIS GREIMAN & SONS
Garner, Iowa

HOMELAND

Now offering a nice selection of 1953 Heifers and Bulls. All popular families and sired by our proven Herd Bulls, headed by R. L. S. PRINCE ERIC 18th. Can also spare some cows with calves at foot. See us or write your needs.
MEIER BROTHERS
Melbourne, Iowa

EIL'TONIER ANGUS



Fine opportunity for ANGUS breeder who wants a new 3 bedroom home, strictly modern. 270 acres to run 50-50 with Registered Angus Cattle. Good barns, big new corn crib, concrete feeding floors, etc. Don't need a full line of machinery. Phone 16F10 or write us.
MR. & MRS. HAROLD E. EILER, Tipton, Iowa

M. B. ANGUS FARMS
PRINCE QUALITY OF SUNBEAM
His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls, BAR QUALITY M. B. by Prince Quality of Sunbeam. HAONA'S PRINCE ERIC 21st by RLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.
MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

FEED BOW-KEY FEED
DES MOINES · · · · · IOWA

Brookdale Angus Farm
"The Home of The Bandoliers"

BARON OF BORDULAC by GENERAL OF BORDULAC and PRINCE BARDOLIER head our richly bred herd of BANDOLIER females. Breeding that is producing some of the breed's best cattle. Visit our farm.
John W. Auman & Son, Marion, Iowa
Farm 9 mi. north of Cedar Rapids on Highway 150

Good Yearling ANGUS BULLS. Genuine Prospects. Also 15 Yearling Range Bulls. Champion Breeding. Come or write.
BEN G. STUDER
Wesley, Iowa

EDGAR OF NEWHOUSE

KEMP'S ANGUS

Offering a group of heifers that will make foundation females. 8 bred heifers—9 March, April and May open yearlings—8 fine coming yearlings in September and October. Sired by ERIC EILEENMERE W. B., grandson of Eileenmere 487th. Many show winners have originated from our herd. If you are looking for the best here they are. Also some good young bulls to select from. Come look them over.
I. E. KEMP MARION, IOWA

HEREFORDS

GLEN E. BUSH ELMO BUSH
BUSH HEREFORDS
MODERN TYPE CATTLE
Offering bulls, quality with weight for age. Sired by BATTLE PIONEER 54th. Best in breeding. They will please Breeder or Farmer. Reasonable. Farm 3 miles east
LAKE PARK, IOWA

SOUTHWEST
MINNESOTA HEREFORD
Show and Sale
WORTHINGTON, MINN., JAN. 8th
40 Bulls — 30 Females
Many ideal for Club projects. All animals selected from 90 outstanding reliable breeders. Ask now for FREE catalog. Address
ELVIN THUE, Secy., WORTHINGTON, MINN.

SKOW'S STOCK FARM
Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by TH LARRY ONWARD 35th 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.
JOSEPH A. SKOW WESLEY, IOWA

POLLED HEREFORDS

WESTHAVEN PLACE

WP Conqueress 44th

Breeding stock, both bulls and females, all ages, for sale at all times.
HERD BULLS
CAPTAIN PLATO 61st
MOV DOMINO
GPH PLUS PERFECT 4th
WP CONQUEROR 30th
Always welcome at our farm.
WESTCOTT BROS. DENISON, IOWA

CURRAN POLLED HEREFORDS
For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 3d. Herd federally accredited, all females officially calfhood vaccinated.
Curran Stock Farm, Mason City, Iowa

POLLED HEREFORDS
We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.
Headed by: BATTLE MIXER, P. ANXIETY ASTER. Come look them over.
P. M. CHRISTENSEN & SON, LONE ROCK, IA

DAY POLLED HEREFORDS
Breeding Stock for Sale. SIRES IN SERVICE: CMR MISCHIEF DOMINO, by CMR Rollo Domino 12th; MODEST C. LAMPLIGHTER 7th.
ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

Buy a Bond Today!

Coming Livestock Sales

ANGUS

Jan. 26—Len-Hill Farm, Joe Lindholm, (Dispersion) Audubon, Iowa, sale at Denison, Iowa, Maurice Boney sale Mgr. Box 740 Storm Lake, Iowa.
Jan. 27-29—Wisconsin Mid-Winter Beef Cattle show and sale, Angus-Hereford-Shorthorns, Madison, Wis. Robert F. Thayer, Mgr., Dept. of Agr.
Jan. 31-Feb. 1-2—Iowa State show and sale, Des Moines, Iowa. Clyde Hanna, Secy., Oskaloosa, Iowa.
Feb. 5—E. W. Thompson (Dispersion), Sedalia, Mo. J. B. McCorkle, Sale Mgr., Smithville, Mo.
Feb. 7—Penney & James, Hamilton, Mo.
Feb. 16—Angus Breeders Consignment sale, Corning, Iowa. Harold Killion, Mgr., Greenfield, Iowa.
Feb. 28—Interstate Angus show and sale, Sioux City, Iowa. Dwight Tabke, Secy., Moville, Iowa.
Feb. 28—North Central Missouri Breeders, Chillicothe, Mo. Lewis Anderson, Secy.
Mar. 2—Davis County Angus Breeders, Bloomfield, Iowa. Phillip Fuller, Secy., Milton, Iowa.
Mar. 3—Des Moines River Valley Breeders, Boone, Iowa. W. C. Robertson, Mgr., Scranton, Iowa.
Mar. 9—Eastern Iowa Angus Breeders, Maquoketa, Iowa. Waldo Momsen, Secy., R.2, Clinton, Iowa.
Mar. 9—Chariton Valley Breeders, Kirksville, Mo. Grover Moritz, Secy.
Mar. 10—Northeast Missouri Breeders, Memphis, Mo. Paul Van Meter, Secy., Queen City, Mo.
Mar. 15—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
Mar. 16—Bureau County Breeders, Princeton, Ill. Lyle Eiten, Secy., Ladd, Ill.
Mar. 19—Mercer County Breeders, Aledo, Ill. Hugh McWhorter, Secy.
Mar. 25—Goose Creek Farms, 9th Production sale, Muscatine, Iowa. Sale at Columbus Jct., Iowa. Forrest M. Larmer, Mgr., Muscatine, Iowa.
Mar. 26—Wilton Farms, Otto & Dick Nobis, Davenport, Iowa.
Mar. 28—F. M. Bradley & Sons, (Dissolution) Avon, Ill.
Mar. 28—Marion County Angus, Knoxville, Iowa. Duane Bingaman, Mgr., Columbia, Iowa. Avon, Ill.
Mar. 29—Northeast Iowa Breeders, Cedar Falls, Iowa. Bob Robinson, Mgr., Masonville, Iowa.
Apr. 11—Red Oak Farms, Rocky Comfort, Mo.
Apr. 19—Clark Angus Farm, Rea, Mo. Sale at Maryville, Mo.
Apr. 20—South Central Iowa Breeders show and sale, Oskaloosa, Iowa. Clyde A. Hanna, Secy.
Apr. 23—Southeast Iowa Angus Assn., Mt. Pleasant, Iowa. Kenneth Redfern, Secy., Yarmouth, Iowa.
Apr. 25—Iowa Southern Breeders, Leon, Iowa. Lyle Miller, Secy., Osceola, Iowa.
May 7—Kentridge, Mr. and Mrs. O. A. Kent, owners, Muscatine, Iowa.
May 23—Tallcorn Breeders Assn., Marshalltown, Iowa. C. G. Mason, Secy.

HEREFORDS

Jan. 3—Buer Bros., Rt. 3, Atwater, Minn.
Jan. 6—East Central Iowa Association, Davenport, Iowa. Roy A. Wiese, Mgr., Long Grove, Iowa.
Jan. 6—Select Hereford sale, Orient, Iowa. Harold Killion, Sale Mgr., Greenfield, Iowa.
Jan. 8—Southwestern Minnesota Hereford Assn. show and sale, Worthington, Minn. Elvin Thue, Secy., Box 351.
Jan. 8—Adel Hereford sale, Adel, Iowa. Albert DeWitt, Mgr., Peru, Iowa.
Jan. 10—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Jan. 20—Creston Hereford Breeders, Creston, Iowa. Lloyd Woods, Secy., Orient, Iowa.
Jan. 24-25-26—Iowa State show and sale, Cedar Rapids, Iowa. Jim Mulvihill, Secy., Cumming, Iowa.
Feb. 5—Spring Creek Farm, Rolla, Mo., Mr. and Mrs. Mahlon B. Wallace, Jr., owners. Jewett M. Fulkerson, Sale Mgr., Liberty, Mo.
Feb. 8—Iowa Hereford Breeders Assn. show and sale, Sioux City, Iowa. Glen E. Bush, Secy., Lake Park, Iowa.
Feb. 9—Reed & Haden, Orient, Iowa. T. M. Hayden, Mgr., R. 7, Creston, Iowa.
Feb. 17—J. D. France, Tipton, Iowa, (Dispersion). Sale at Cedar Rapids, Iowa. Fulkerson Sale Service Mgr., Liberty, Mo.
Feb. 25—Meredith Farms, Des Moines, Iowa.
Feb. 28—Round Up Hereford sale, Kansas City, Mo.
Mar. 7—Bluegrass Hereford Assn. Spring sale, Bloomfield, Iowa. James Burns, Secy., Pulaski, Iowa.
Mar. 9—Southeast Iowa Hereford Breeders, Mt. Pleasant, Iowa. N. K. Hartley, Secy., Hillsboro, Iowa.
Mar. 11-12—Western Illinois Breeders Assn. show and sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Iowa.
Mar. 12—Adel sale, Adel, Iowa. Albert DeWitt, Mgr., Peru, Iowa.
Mar. 21—Northwest Missouri Breeders, Maryville, Mo.
Mar. 25—Illinois Hereford Assn., Princeton, Ill. E. Glenn Ash, Secy., Harristown, Ill.
Mar. 30—Blue Grass Breeders Assn., Princeton, Mo. B. N. Taylor, Secy., Newton, Mo.
Apr. 21—Southwest Iowa Breeders, Shenandoah, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
Apr. 22-23—Circle A Farms, Fred W. Anderson, Morris, Ill.
May 25—Clark Grandfield, Lorimer, Iowa.

POLLED HEREFORDS

Jan. 11-12—Iowa Polled Hereford Association Show & Sale, Des Moines, Iowa. Leigh R. Curran, Secy., Mason City, Iowa.
Feb. 2—Northwest Iowa Breeders, Sioux City, Iowa. E. L. Baxter, Secy.-Mgr., Galva, Iowa.
Feb. 5—Lloyd D. Becker, Mason City, Ill. Roy Bruch, Peru, Ill., and D. L. Van Gilder, Flat Rock, Ill. Sale at Springfield, Ill.
Feb. 7—Four Star Polled Hereford sale, Kirksville, Mo. Orville H. Patten, Secy.
Feb. 17—Kingdom Association, Fulton, Mo.
Feb. 21-22—Hawkeye Breeders Assn., Cedar Rapids, Iowa.
Feb. 25-26—Illinois Futurity show and sale, Springfield, Ill. Ernest Painter, Secy., La Harpe, Ill.
Mar. 2—North Missouri Assn., Chillicothe, Mo.
Mar. 4—F. L. & R. K. McCreary, Mt. Ayr, Iowa, and Elmer Reece, Diagonal, Iowa. Sale at Mt. Ayr, Iowa. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Mar. 5—M. J. Seitsinger, Kinross, Iowa. Sale at Kalona, Iowa. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Mar. 15—Missouri State Breeders show and sale, Sedalia, Mo. Donald J. Bowman, Mgr., Hamilton, Mo.
Apr. 1-2—Illinois Polled Hereford Breeders show and sale, Springfield, Ill. Ernest Painter, Secy., La Harpe, Ill.
Apr. 13-14—Southeast Iowa Polled Hereford Association show and sale, Oskaloosa, Iowa. Calvin Crusen, Sale, Mgr., New Sharon, Iowa.
Apr. 21—Southwest Iowa Breeders, Shenandoah, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.

SHORTHORNS

Jan. 11—Tri-State show and sale, Sibley, Iowa. Albert J. Hamann, Mgr., Rock Rapids, Iowa.
Jan. 27—Ray Saunders & Sons, Manilla, Iowa. Sale at Denison, Iowa. Albert Hamann, Sale Mgr., Rock Rapids, Iowa.
Feb. 3—Ogden Shorthorn Breeders, Ogden, Iowa. Albert J. Hamann, Mgr., Rock Rapids, Iowa.
Feb. 14-15—Interstate Breeders show and sale, Sioux City, Iowa. F. E. Jackson, Secy., Hurley, So. Dak.
Feb. 16—Fortieth Annual Spring show and sale, Omaha, Nebr. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 21—Marshall County Breeders, Marshalltown, Iowa. Geo. H. Lewis, Mgr., R1.
Mar. 7-8—Iowa Royal show and sale, Des Moines, Iowa. Albert Hamann, Sale Mgr., Rock Rapids, Iowa.
Mar. 10—Wm. Lorenzen, Pilot Mound, Iowa. Sale at Boone, Iowa.
Mar. 11—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
Mar. 17—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Mgr., Oakland.
Mar. 18—"Sale of Satisfied Buyers," Knoxville, Ill. Hal Longley, Sale Mgr., 16-8, Locust St., Aurora, Ill.
Mar. 28—Northwest Missouri Breeders, Maryville, Mo. Dr. L. W. Landfather, Mgr., 412 W. 2d St.
Apr. 11—Marion County Breeders, Knoxville, Iowa. Merrill L. Rebuck, Secy., Pleasantville, Iowa.

DAIRY CATTLE

Jan. Peter Moret (Holstein Dispersion), Boyden, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.

MILKING SHORTHORNS

Jan. 29—E. G. Heins & Son, Pomeroy, Iowa, and Ben Bohn, Manson, Iowa. Sale at Spencer, Iowa. Walter Kruse, Sale Mgr., Sheldon, Iowa.

POLLED SHORTHORNS

Feb. 17—Fortieth Annual Spring show and sale, Omaha, Nebr. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 18—E. P. Laughlin (Dispersion), Imogene, Iowa. Sale at Shenandoah, Iowa. Merv F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 26—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Mgr., Box 452, Vinton, Iowa.
Mar. 1—Spencer Polled Shorthorn Breeders, Spencer, Iowa. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.
Mar. 17—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Secy.-Mgr., Oakland, Iowa.
Mar. 22—Iowa Polled Shorthorn Breeders, Ames, Iowa. Mervin F. Aegerter, Mgr., Seward, Nebr.

DAIRY CATTLE

Jan. 8—Marion L. Timmins (Ayrshires), Osceola, Iowa.

CHESTER WHITE

Jan. 29—Iowa State sale, Boone, Iowa.
Feb. 5—A. L. Bidne & Son, Lake Mills, Iowa.
Feb. 9—R. A. Riemenschneider, Kingsley, Iowa.
Feb. 10—Roy V. Copp & Son, Glidden, Iowa.
Feb. 11—Kenneth Wendt, Buckingham, Iowa.
Feb. 14—Walter Schminke, Van Horne, Iowa.
Feb. 15—A. H. Petersen, Jesup, Iowa.
Feb. 16—Seth Johnson & Son, Kiron, Iowa.

DUROCS

Jan. 26—Iowa State Duroc show and sale, Iowa Falls, Iowa. Clarence E. Bundy, Secy., 1319 Clark St., Ames, Iowa.
Jan. 27—R. K. Strother & Son, R. 3, Bowling Green, Mo.
Jan. 27—Bert Broek & Sons, Sioux Center, Iowa.

HAMPSHIRES

Jan. 20—Iowa Hampshire sale, Ankeny, Iowa.
Jan. 28—Donald Karsjen, Box 512, Parkersburg, Iowa.
Jan. 29—Robert L. Einfeldt and Henry R. Hogan, Durant, Iowa. Sale at Davenport, Iowa.
Jan. 31—Danielson Bros., Nevada, Iowa.
Feb. 1—C. T. Keen & Son, LeGrand, Iowa.
Feb. 2—Lettow Bros., Alden, Iowa. Sale at Iowa Falls, Iowa.
Feb. 2—(Night sale) McDonald Farm, Clemons, Iowa.
Feb. 3—Dale McGraw, Pleasantville, Iowa.
Feb. 7—Albert Martin & Sons, Marion, Iowa.
Feb. 8—George Lorenz, Wells, Minn.
Feb. 14—Geo. C. Ruth & Sons, Onawa, Iowa.
Feb. 16—L. W. Bryson & Son, Alden, Minn.
Feb. 17—Emmett Conway, Dakota City, Nebr.
Feb. 22—George Lippold, Avoca, Iowa.
Feb. 22—(Night sale) Ivan Olsen, Council Bluffs, Iowa.
Feb. 23—Howard Soorholtz & Son, Melbourne, Iowa. Sale at Marshalltowon, Iowa.
Feb. 24—Fred Goodchild & Sons, Mallard, Iowa.

POLANDS

Feb. 12—Iowa State Poland China Breeders sale, Cedar Rapids, Iowa. Fred W. Morgan, Secy., 5801 College, Ave., Des Moines, Iowa.

SPOTTED POLANDS

Feb. 7—Gray Bros., Titonka, Iowa.

TAMWORTH

Feb. 2—Al Bolte, Avoca, Iowa.
Feb. 4—Cerny Bros., Dorchestert, Neb, and Oakdale Farm, Portis, Kan. Sale at Osborne, Kan.
Feb. 9—Lee Winther, Wisner, Nebr.

YORKSHIRES

Jan. 27—arlan Hanks, Oakdale Farm, Winnebago, Minn. Sale at Blue Earth, Minn.
Jan. 28—E. C. Marty & Sons, LuVerne, Iowa.
Jan. 29—Geo. Bingham, Bancroft, Nebr. Sale at Oakland, Nebr.
Feb. 4—Cerny Bros., Dorchestert, Neb, and Oakdale Farm, Portis, Kan. Sale at Osborne, Kan.
Feb. 5—F. L. Jackson & Sons, Lytton, Iowa.
Mar. 15—Henderson Farm, Coin, Iowa. Sale at Shenandoah, Iowa.

SHEEP

Jan. 15—Southwest Iowa Purebred Sheep Breeders Assn., Des Moines, Iowa. Guy P. Henderson, Mgr., Lennox, Iowa.
Jan. 21—Mahaska County Pure Bred Sheep Breeders Assn., Oskaloosa, Iowa. M. J. Maxted, Secy.

DRAFT HORSES

Apr. 9-10—Tri-State Draft Horse Breeders show and sale, Austin, Minn. Don Schneckloth, Mgr., R. 3, Davenport, Ioa.

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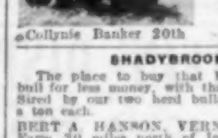
POLLED SHORTHORNS

POLLED SHORTHORNS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Livestock News

"The Golden Aster Sale" of **Hereford** cattle Dec. 17 at Spencer, Iowa, for E. O. Johnson & Son, Dale, of Milford, Iowa, attracted a large crowd from a wide territory. They presented a fine offering of well groomed cattle.

27 bulls averaged $735
29 females averaged $424
56 lots averaged $569

The top of the bulls was lot seven, Golden Aster 108th, a long yearling. He sold for $2,225 to Wedman Brothers, Danville, Kan. McMahon Bros., Graf, Iowa, were contending bidders. Second high was lot two, Golden Aster 87th. His buyer was Premier Hereford Farms, Walcott, Kan., at $2,050. Schrier Brothers, Cumberland, Iowa, bought lot one, Golden Aster 82nd, for $1,400. Lakewood Farms, Rock Rapids, Iowa, bought lot 22, Silver Domino D51 for $1,075.

Premier Hereford Farms bought the top female, lot 40, Donna Aster 488th for $1,050. Second top was lot 35, Donna Aster 450th, buyer Grover Jelden, Everly, Iowa, for $800. Erwin Bates, Milford, Iowa, bought the third high female for $630—lot 33, Donna Aster 441st, with bull calf at side.

The sale was held on the fair grounds at Spencer and Bill Woods, fair secretary, had fine arrangements for the comfort of the large crowd.

Iowa buyers took 44 lots, Minnesota four, Kansas four, South Dakota two, and Nebraska and Wisconsin one each. Auctioneer was Charlie Corkle.

The **Westhaven Place Polled Hereford** sale held at Denison, Iowa, Dec. 16 attracted an exceptionally large crowd. The offering was presented in nice thrifty breeding condition.

26 bulls averaged $354
49 females averaged $220
75 head averaged $266

Top of the sale was lot 15 bull, WP Capt. Conqueror 2nd. He sold for $1,000 to Rew Bergoin, Silver City, Iowa. Second top was lot one, WP Mod Conqueror 13th. Buyer was Ray Glassmaker, Cleghorn, Iowa.

High female, lot 29, WP Conqueress 24th, also sold to Rew Bergoin at $750. Second high was lot 32, cow and calf combination, WP Conqueress 41st. The cow sold for $225 to Eugene King, Deloit, Iowa, and the calf to Earl Juelfs, Correctionville, Iowa, for $200. Second high individual was lot 39, WP Conqueress 61st. Buyer was Harold Skerritt, Malvern, Iowa. All the cattle sold to Iowa buyers.

Westhaven is owned by Fred and Dwight Westcott, Denison, Iowa. Auctioneer was Charlie Corkle.

The J. Perry Rinker, Ogden, Iowa, **Angus** reduction sale and D. A. Jay, Ames, Iowa, dispersion sale held at Ogden, Iowa, Dec. 8 brought out a large attendance. The results follow:

101 females averaged $253
5 bulls averaged $338
106 lots averaged $257

One of the top bulls, Blackcap Erimere, a four-year-old, sold for $260 to J. O. Gring, Dallas Center, Iowa. Pioneer Blackbird 63rd, a three-year-old, also went at $260 to Arthur Goodman, McCallsburg, Iowa. Blackcap Bardolier G. 6th, a seven-year-old D. A. Jay bull, brought $240 and was secured by Carl Hertz, Nevada, Iowa.

The top female was Eric's Helena, a three-year-old from the Jay farm and went at $450 to A. W. Lander, Ogden, Iowa. Heather Qualitee G. F. sold for $400 to S. A. Brooks & Son, Ames, Iowa. Ella Bellemere 4th, a choice two-year-old, went at $340 to Ames & Knutson, Ames, Iowa. Auctioneer was Clair Mason.

In the 37 years since its discovery in the U. S. in Massachusetts, the European cornborer has spread into 1,557 counties in 38 states.

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American Saddle mares.
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TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
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Choice Dairy heifers from 350 to 900 lbs. **HOLSTEINS 12c** per pound; **GUERNSEY 10c** per pound. All heifers sold by the pound. Also springing heifers and cows. Write or call.
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CHOICE COWS, HEIFERS AND CALVES.
Delivered on approval.
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HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
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Choice Heifers, beautifully marked, at 12c per lb. Tested, ready for delivery. They will please.
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20 fresh or near fresh cows
6 two-year-old bred heifers
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12 choice heifer calves
1 desirable herd sire
3 bulls, near serviceable age
7 splendid bull calves
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BOWLING GREEN, MISSOURI, JANUARY 27th
Starting at 1:00 P. M.
Tops from **100** gilts, bred to outstanding boars for February and March farrow. Serviceable boars always for sale. **DROUTH** conditions here mean bargains for those who attend. (Farm 100 miles south of Keokuk, Iowa, on No. 61 and 6 miles south on No. 29 to farm.)
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60 choice, dark red, lengthy, deep bodied, well nipped gilts, bred for early February and March farrow to the top son of **GOLDEN ERA**, 1953 Minnesota Jr. Champion. Immune. Reasonable.
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75 choice Gilts, February, March and April Gilts. Dark red, lengthy, deep bodied and well-nipped. Bred to son of **MIRACLE KIDDO**, 1954 Iowa Grand Champion. Immune. **Farmer's prices.** (Farm ½ mile south and 3 miles east.)
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1. Save 10 to 20% on feed.
2. Produce MEAT-TYPE hogs.
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4. Go to market 2 weeks earlier.

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Guaranteed breeders. We deliver. Phone 265F6. Farm 1½ miles northwest.
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We have best quality boars to offer the year around. Our hogs are from litter-tested herd boars, and especially bred to raise more pigs, at less feed cost and produce a real **MEAT TYPE** carcass. Vaccinated for Cholera, Erysipelas and Brucellosis clean.
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Breeding Stock. Registered **DANISH, NORWEGIAN,** and **SWEEDISH** strains. Sure way to change lard hogs to **MEAT** Animals. Accredited Brucellosis Free.
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AVOCA, IOWA, WED., FEB. 2nd
50 HEAD
Bred Sows and Gilts, mated to TOP Boars, a few with litters. Genuine prospects. Ask for **FREE** catalog.
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South Iowa Fair Grounds
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FRIDAY, JANUARY 21, 1955
60 HEAD
Hampshire - Suffolk - Shropshire
Southdowns - Corriedale - Columbia
Best of blood lines, mated to outstanding **Rams.** Many suitable for **4-H** and **F.F.A.** members. Ask now for **FREE** catalog. Kindly mention this publication. Address
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ENGLISH SHEPHERD PUPS
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America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
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GENUINE ENGLISH SHEPHERD AND COLLIE PUPS
Guaranteed heel-drivers (no fooling). Year's trial, training instructions. (50,000 satisfied customers.) Males — females — spayed females specialty. $15.00. (Distemper vaccinated.)
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GENUINE
ENGLISH SHEPHERD PUPS
Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.
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New No. Am. cattle breeding, sale advertising, catalogue printing and **IPBS:** and **NPBS:** selling. Outlines free. **G. F. SARGENT, IPBS:** and **NPBS:** Auct. and Pres. **SARGENT'S INTN'L AUCTION School & College, 1230 W. 3rd, Sioux City, Iowa.**

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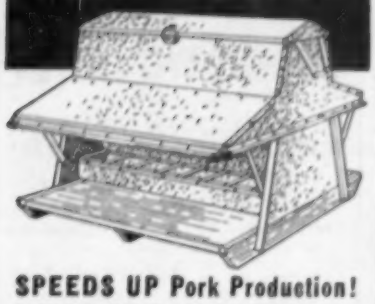
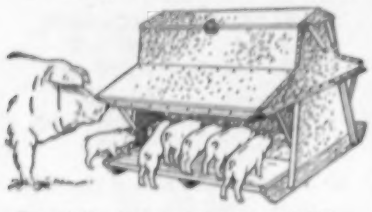
NEW
Brower CREEP FEEDER



SPEEDS UP Pork Production!
STEPS UP Pork Profits!

Modern feeding, with the new high potency pig starter rations creep-fed soon after farrowing, means more pigs saved, earlier weaning, 10-20 lb. head start at 8 weeks, and market weight reached many weeks earlier.

The Brower Creep Feeder provides the most efficient creep-feeding method — ends need for homemade creep pens — saves you time and labor costs.



Especially designed for pigs ONLY — the low canopy keeps the sows away from the feed troughs. Easily moved from field to field on skids. Also makes an efficient range feeder for chickens or turkeys when not being used for pigs.

NO. 4CF — Body of 20 ga. rust resisting Armco Zincgrip. Heavy steel top. Weatherproof, sanitary, easy to fill. Inverted "V" bottom insures even feed flow. 8 bu. cap. Accommodates 75 pigs. 4' x 4½' x 3' ht. Shipped KD, 175 lbs. Easily assembled.

PRICE: $51.50 F.O.B. Quincy

See Your Brower Dealer or write

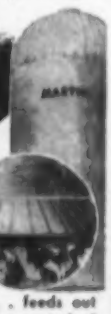
BROWER MFG. CO.
Box 8399 Quincy, Ill.

NOW You Can Afford a MARTIN STEEL-BILT SILO!

Feed savings, more milk production, longer life, lower upkeep make MARTIN Silos easy to own. Strong, leakproof . . . QUALITY!

Galvanized Steel . . . resists extreme pressure of grass silage. 20 yr. Guarantee!

Feed — Meadow-Nutritious Silage and Hay all Winter!



MARTIN Self-Feed **Haymaker**

. . . cures, stores hay, saves the leaf for winter forage . . . feeds out hay meadow-fresh. Mail coupon today!

MARTIN Steel Products Corporation
123 Longview Ave., Mansfield, Ohio.

Send FREE Facts on
☐ Silos ☐ Haymakers ☐ Arch Bldgs.

Name _____
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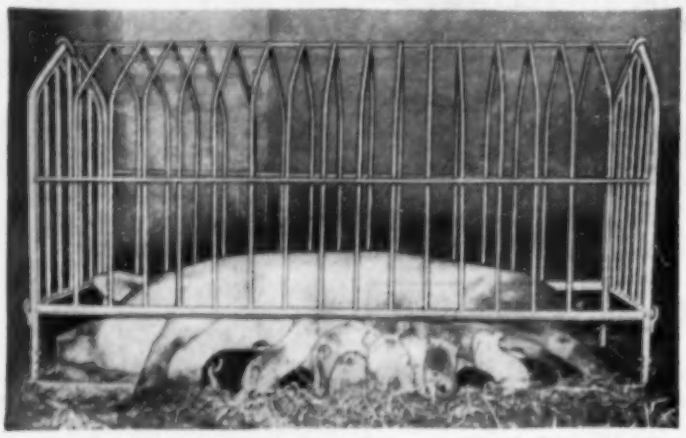
SALESMEN—Make $75-$200 weekly. Dealers, farmers, agents demonstrate, take orders, new proven nationally advertised Gro-Green Liquid Fertilizer and Nitrogen Nutrients. Full-part time. Prospects everywhere. Campbell Co., Rochelle 39, Illinois.

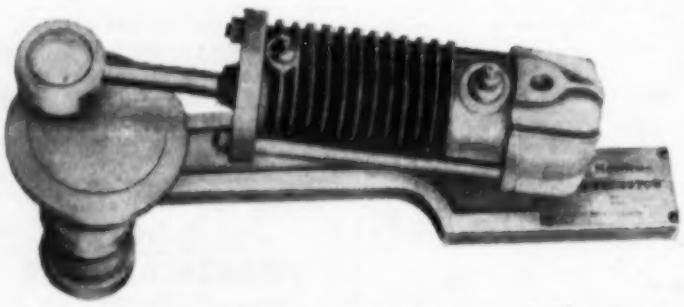
WORMY PIGS? Doctor Hinrichs' Hog Powder. Fed in feed. No starving. 5 lbs. $3 Postpaid.
HINRICHS REMEDY CO. WALCOTT, IOWA

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



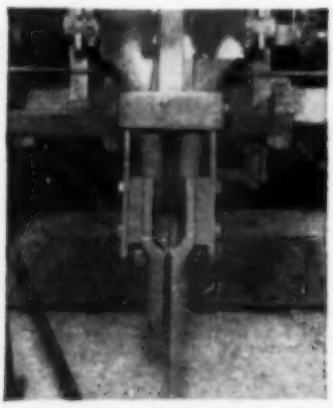
Farrowing crate is all steel. Sides are formed by rods and pipe. Angle iron base will attach to wood floor. Self-locking gates at both ends. "Farro-Crate" is announced by Caswell Manufacturing Company.

Elevator is wide enough to take hay bales in flat position. The 20½-inch width is also ideal for chopped hay, silage and grain. Available with built-in hopper or raising type. New portable elevator is announced by Owatonna Manufacturing Co.



Air compressor attaches to power-take-off of tractors. Can be used to power grease guns, pump gas, pump tires, spray paint, etc. Said to be attached quickly. Announced by Worthington Mower Company.

Dish towel is said to be absorbent like a chamois, and dry dishes after it gets wet. Made of cotton and rayon. Size 20 by 30 inches. Kendall Dish Towel developed by Kendall Mills.



Two bands of fertilizer are placed in soil with new applicator-planter. One four inches deep; the other eight. Seed planted one to two inches deep. Made by Farmcraft Mfg. Co., Inc.

GOOD FARMING PAYS

WESTERN Sprocket PACKER & MULCHER

KILL CORN BORERS!

It pulverizes, mulches and firms soil. IT DOES NOT UNCOVER CORN STALKS that have been plowed under, therefore corn borers in these stalks are smothered in the ground. Saves time, labor and horsepower preparing ideal seedbed. Leaves surface mulch without grooves, which greatly helps to prevent washing. This seedbed conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for full information.

NEW BEAR CAT COMBINATION Grain and Roughage Mill also Ensilage Cutter

No. 4A

Trailer Mounted for Power Take-off Has traveling feed table and is especially designed for grinding or chopping larger quantities of loose or baled hay and roughage of any kind. Furnished either with or without Trailer Mount and Power Take-off. Both cutter knives and heavy swing hammers—it grinds any feed, green, wet or dry, snapped or ear corn, roughage bundles or baled flakes, with ordinary farm tractor—and no monkey business. Get full information on real honest-to-goodness grinding outfits. Write

Western Land Roller Co., Dept. 172-22
Hastings, Nebraska—Manufacturers

TEAT TROUBLE?

SAFE • FAST • SURE TREATMENT . . .

For sore, scab, injured, obstructed teats. Flex-O Medicated Teat Dilators —by their antiseptic, gentle dilating action—provide soothing relief, resist infection and promote clean, rapid healing. Keep teat canal OPEN in its normal shape until healed. **Also for hard milkers.**

FIT ALL SIZE TEATS

TWO SIZE DILATORS
Regular — for average teats
Large — for larger teats
48 Dilators $1.00
24 Dilators 65

At your dealer, or postpaid.
DAIRY REMEDIES CO.
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FLEX-O medicated TEAT DILATORS

The ONLY cloth-covered dilators that contain NO WIRES

"LINK (All-Steel) AERO" Grain and Seed Cleaner
• SCREENS
• CLEANS
• GRADES
• TREATS
GRAIN IN ONE OPERATION!
—Screen-Cleaning Brushes
—Positive Force Feed

LINK MFG. CO., INC.
FARGO, N. DAK.

DEALERS WANTED!

Make winter a high-profit season with Rite-Way's new one-man Chain Saw! Sells FAST by demonstration—farmers see for themselves how light and easily it handles, and what a tremendous job it does! Three full horsepower at the cut! The blade has a 360-degree swivel, locks instantly in any position—no other saw its size has this! New magnesium alloys make the Rite-Way light—yet tough and rugged! Exclusive automatic oiling system . . . complete roller-bearing mounting . . . narrow guide bar, centered for balance . . . easy-to-sharpen three-way saw chain! Exclusive franchise and 30-DAY FREE TRIAL to responsible parties. Write TODAY to Dept. A-A, Rite-Way Dairy Division, Package Machinery Company, East Longmeadow, Mass.

When writing to advertisers, will you please mention this paper.

New device for measuring backfat and lean in live hogs or carcasses is demonstrated by Dr. R. M. Whaley (left) and Dr. F. N. Andrews of Purdue University. This instrument is electrical. Dr. L. N. Hazel has used a mechanical measureing device for the same purpose at Iowa State College.

What's Ahead...

HOGS FOR MARKET will increase sharply in 1955 compared to 1954. This may be the year of high hog production and lowest prices in the corn-hog cycle. See page 12 for hog raisers prospects, based on the December Pig Crop Report.

Homer Hush

TIGHT CONTROLS on grain producers have been loosened up. Last June, Secretary of Agriculture Benson called for total farm allotments, and cross compliance in 1955. Both have been abandoned. And harvested rather than planted acres will be the measure of compliance under crop allotments.

One tight spot remains, however. You must be in compliance with corn and wheat allotments if you are to get payments (ACP) for soil conservation practices.

Here's the way the farm program will apply to different crops in this year:

WHEAT GROWERS will have allotments and quotas. If you harvest more acres than your allotment, or if you have no allotment and harvest more than 15 acres, you'll have to pay penalties under the quota law. But you can harvest more corn than your allotment and still get wheat loans.

CORN RAISERS will have allotments. If you harvest excess acres, you can't get corn loans. But there's no other penalty. Extra corn acres will not keep you from getting wheat loans if you comply with wheat regulations.

YOU'LL HAVE no limits on small grain acres. And you may plant as much to soybeans as you wish. Acres taken from wheat and corn can go into these crops.

LOWER CROP LOANS accompany release of restrictions. Corn loans will go down around five cents per bushel. Oats down from 75 to 61 cents (national average). Barley from $1.15 to 94 cents. Rye from $1.43 to $1.18.

Soybean loan rates have not been set. There's talk of 70 percent of parity, instead of the present 80 percent. That would put bean loans around $2.00 per bushel compared to the present $2.22 average.

HOW PLAN your crop acreages on the basis of a farm program like the above? Notice that there's very little change from 1954, except that support prices on grains will be lower. There's little to indicate that the new program calls for any great shift in your cropping plans. Or that it will change national crop acreages very much.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

MASTER SWINE PRODUCER honors have been given 25 Iowans for their contributions to pork production. Named last month, they include Glenn Chapman of Kent, whose average daily gain of 1.27 lbs., was highest in the project in 1954. Next in daily gain came Peter Moss of Hospers with 1.25 lbs. The highest average number farrowed was 14.5 head by Paul Pillard of Coggon. The best average number weaned was 11.4 by Pillard and W. C. Lundy of Fontanelle. The average number weaned by all 25 was 10 pigs, 4-tenths above 1953, and representing an average increase of 2 pigs since 1943. Named Honorary Master Swine Producers were the late Governor Wm. Beardsley, John Knotek of Riverside, a long-time swine man, and Prof. C. C. Culbertson of the Iowa State College animal husbandry department.

SOME BIG NEWS concerning farm machinery . . . in the next 10 years, combining of corn with the same machine used for small grain may become common. L. W. Hurlbut, chairman of the University of Nebraska's agricultural engineering department says experimental models proved so successful last fall that he thinks wide-scale corn combining is just a matter of time. After experimenting with a commercially built model for a year, Hurlbut says tests indicate the combine can do an excellent job of shelling and cleaning corn.

THE BIGGEST NEWS in beef feeding these days is Stilbestrol, powerful new growth stimulant, now in "4x4" Beef Supplements. Research at Iowa State College and two years of farm level tests at Walnut Grove leave NO DOUBT about its value. Increase in gains were from 15% to 33%—and feed costs were cut as much as 20%. "4x4" Beef Supplements provide the necessary combination of protein, sugars, minerals, and vitamins, plus Stilbestrol for maximum ruminent activity. "4x4" plus Stilbestrol assures you maximum profits. Contacts your Walnut Grove representative today, or write direct to the home office in Atlantic, Iowa, for more information about Stilbestrol.

HIGHER RETAIL PRICES for some grass and legume seeds are expected in the spring. Francis Kutish, extension farm economist at Iowa State College expects that with the possible exception of sweet clover and brome grass, prices on 5 of our major grass and legume seeds will be up. The reason lies in increased prices paid to growers and a considerable decrease in supplies. Last year's red clover seed crop, in fact, is believed to be the smallest in 12 years.

EARLY WEANING offers many benefits to swine producers. Walnut Grove has worked with it. It has worked for our customers. In every case where "4x4" Pig Pre-Starter has been used properly with good management, the user has raised—more . . . healthier . . . lower cost pigs than ever before in a swine program! Users report 45 to 55 lb. pigs at 8 weeks instead of 35 lb. pigs—one to 1½ more pigs raised per litter—two weeks earlier to market. Early weaning with "4x4" Pre-Starter gives you a minimum feed saving of $9.00 per sow and permits rebreeding sows earlier. Get all the facts about this newest "4x4" swine program—enjoy more pork profits in '55.

THE NEW IOWA Market Milk Law is now in effect. This law does not have the same requirements as the United States Public Health milk ordinance that was in force in some city markets in the state, points out Dr. John Herrick, extension veterinarian at Ames. His advice is to check the requirements for the particular markets to which you sell.

DID YOU KNOW that the average pound of meat produced on our farms travels 1,000 miles before it is consumed? That's what Cliff Cairns of Wilson & Co. of Albert Lea, Minnesota, reports. He says that a whopping total of 65 million pounds of meat are produced and consumed every single day, and that the packing industry is different from all others in that it has no control over supply.

WE HAVE A NEW feed that gets its name from the job it does—"4x4" Starter 241 (2 pounds of this new complete feed in 4 weeks makes 1 pound of meat!) Starter 241 has all of the vitamins, minerals, and growth-stimulating antibiotics, necessary for fast-growth . . . plus **crushed corn flakes!** Why corn flakes? Because corn flakes are ideal food for a chick's tiny digestive system. They are highly nutritious, high in energy, low in fiber, and the chicks really like them. Starter 241 is complete. Feed it right from the sack. Order it now and have Starter 241 on hand when your chicks arrive.

"OPERATION POINSETTIA" . . . the sending of 600,000 Christmas packages to 14 foreign countries by Christian Rural Overseas Program was made possible by donations to CROP. Iowa Director Wilson Radway of Des Moines reported the packages weighed 14 lbs. each and contained items provided from surpluses by the government, such as dried milk, butter, cheese, shortening, beef and gravy, flour, wheat, beans, etc.

A REMINDER that folks not already having a good set of record books might be in order, now that 1955 is getting underway. The old system of keeping books on the calendar is out-dated but you still find some folks doing it. Might be a good time too, to resolve to take no chances doing our farm work this year. At least 53 Iowans lost their lives in farm tractor accidents alone last year, and we hope that record will not be repeated.

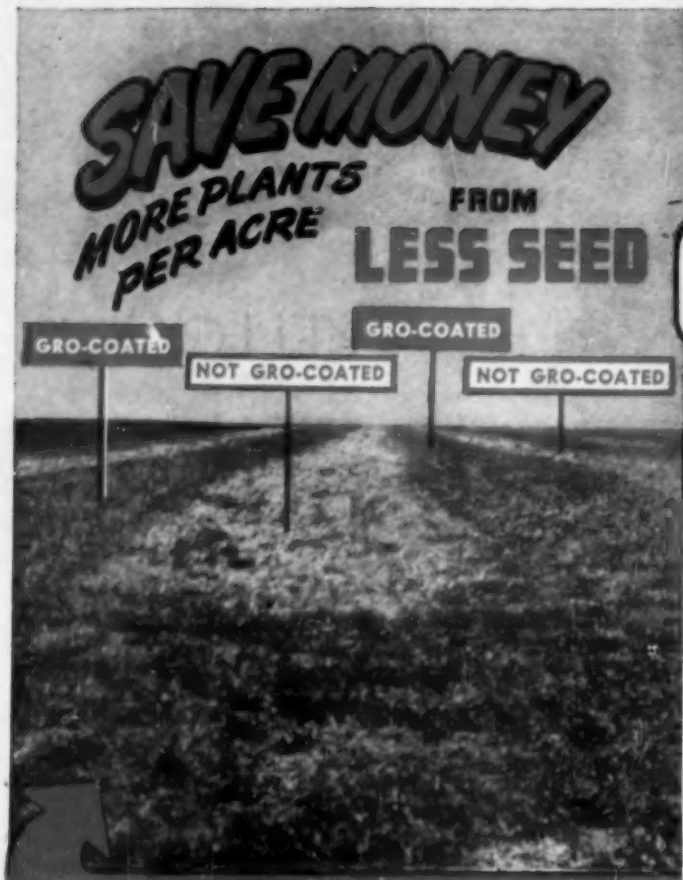
MANY FARM FOLKS ARE now coming under Social Security. Payments are supposed to range from $45 to about $162 a month to farmers after the age of 65 has been reached, and after the maximum yearly payment of $126 has been made. The first payments into Social Security are to be made as a part of the 1955 income tax.

AS WE BEGIN A NEW YEAR, we believe it is the best time to repeat some of the basic principles which guide our efforts at Walnut Grove: 1. Determination, time, and effort in studying the needs of Corn Belt livestock producers, 2. an honest, whole-hearted effort to supply the products which meet those needs, and—3. constant research to keep abreast of all new developments. Continuation of these same principles is our resolution for 1955.

Walnut Grove PRODUCTS CO., INC.
HOME OFFICE • ATLANTIC, IOWA

MAKERS OF "4x4" COMPLETE SUPPLEMENTS

"4x4" Hog Supplement
Baby "4x4" Creep Sup.
"4x4" Mazmelk
"4x4" Beef Supplement
"4x4" Dairy Supplement
"4x4" Super Calf Sup.
"4x4" Starter-Grower
"4x4" Poultry Balancer
Walnut Grove Minerals



LIVING PROOF FROM ACTUAL PHOTOGRAPH

"14 GRO-COATED Plants to Square Foot vs. Only One or Two in non-Gro-Coated," Reads Mr. Herbert Wilson's letter—

"I am farming at the present time 220 acres at Redfield, Iowa. I follow a regular corn and legume rotation plan and don't believe anything is as good for the land as a good crop of Red Clover plowed under.

"Last year I planted Gro-Coated Brand and non-Gro-Coated Red Clover and can truthfully say I was amazed at the difference. I had a good chance to compare it because I ran out of Gro-Coated Red Clover and finished the last five acres with home grown seed.

"You should have seen the difference. I had heard so much about Gro-Coated seed that I wanted to see the actual difference. I filled one-half of my drill with home grown seed and other half with Gro-Coated. When the seed came up I had easily 75% more plants from the Gro-Coated seed than I had on the home grown. Gro-Coated seed incidentally cost me $24.00 and the home grown seed which looked to be of excellent quality and was good grade cost me $19.00 a bushel.

"In looking at the second year's growth I just don't have any Clover in the non-Gro-Cated part of the field, so it was just money thrown away. The Gro-Coated acreage is beautiful, about 14 mature plants per square foot while the non-Gro-Coated Clover has only one or two plants to the square foot. I will take a big hay crop, and have an abundance of second growth to plow under this fall.

"The Gro-Coated Brand clover came up quicker and just walked away from the home grown clover in growth. I know the Gro-Coated seed cost me a little more money initially but I am not much concerned about that. You see when I buy seed I am buying a crop and I don't think there is any expenditure that I can make that will give me the return that I get from Gro-Coated Brand seed."

HERBERT WILSON, Redfield, Iowa

JUST A FEW OF OUR GRO-COATED BRAND OFFERS

ALFALFA $22.95 Bu.
Hardy quality, domestic origin. Contains no southern seed. Splendid yielder. GRO-COATED. 60 pounds. Sample Free. Mail coupon.

GRIMM $24.75 Bu.
Hardy, northern grown, serviceable seed. Great quantities used every year. GRO-COATED. 60 pounds. Sample Free. Send coupon.

Red Clover $35.70 Bu.
Hardy, central states origin. Widely used and well adapted throughout Red Clover area. GRO-COATED. 60 pounds. Sample Free. Send coupon.

Sweet Clover $9.90 Bu.
Hardy, new crop, choice quality. Re-cleaned, good purity and germination. Noxious free. GRO-COATED. 60 pounds. Ask for sample. Use coupon.

HAY AND PASTURE MIXTURE
Two-thirds Clover **$18.00 Bu.**
Balance Timothy, Ky. 31, Fescue, etc. Heavy producer. High feeding value, also excellent for soil erosion. GRO-COATED. 50 pounds. Sample Free. Use coupon.

SOIL BUILDING COMBINATION
2/3 Red Clover
1/3 Sweet Clover **$26.70 Bu.**
"Red and Sweet," wonderful mixture. Stores large quantities of nitrogen and humus in soil. Increases corn yields. High protein feed value. GRO-COATED. 60 pounds. Sample Free. Send coupon.

QUICK ROTATION COMBINATION
50% Alfalfa
50% Red Clover **$29.85 Bu.**
Our "50-50" southwestern Alfalfa and Red Clover Mixture. Recommended by experiment stations as is, or with Sweet Clover. GRO-COATED. 60 pounds. Sample Free. Mail coupon.

SPECIAL LEGUME MIXTURE
6 Different Legumes **$23.85 Bu.**
Contains Red, Alsike, Sweet and Ladino Clover, Alfalfa and Trefoil. Splendid for soil improvement, hay pasture and mixed with grasses for cattle and sheep grazing. GRO-COATED. 60 pounds. Sample Free. Use coupon.

FREE BIG TOMATO PKT.

Just to demonstrate the quality of the Berry's GRO-COATED fruit, vegetable and flower seeds, we will send with your catalog a big 25c packet of our New F-2 Hybrid, Wilt Resistant Tomato seeds, absolutely Free. This is a rich red, juicy tomato that will delight you. And FREE. Mail coupon.

FREE! 40 GLADS

TO FARM SEED CUSTOMERS

We are again repeating our very popular gifts to new farm seed customers. We want all to enjoy these lovely, gorgeous mixed color gladiolus; large, blooming size bulbs. See offer with catalog.

BERRY SEED CO
BOX 1804 CLARINDA, IOWA

BERRY'S ORIGINAL • GENUINE GRO-COATED® FARM SEEDS

BETTER CROP STANDS GUARANTEED

SAFEST • MOST ECONOMICAL

Berry's sensational achievement—GRO-COATED Brand Seeds! NEW as to seed development and astonishing field results, yet having 6 years of enthusiastic acceptance on thousands of farms throughout Iowa and the entire U. S. So good, so dependable, we are continuing our 1954 GRO-COATED Guarantee—the most sensational seed offer ever made! Gro-Coated Seeds **must** give you a better stand than any other or we refund any difference in the cost of the Gro-Coated Seeds. Read customer Herbert Wilson's letter at left; amazing results but typical of hundreds of similar reports. Buy Gro-Coated Seed by mail from Berry's and be sure. Protected against seed destroying fungi on seed and in soil around it. Chemical root stimulant added. Read our Free Catalog.

BERRY'S SEED VALUES GREATEST EVER IN QUALITY and PRICE

Berry's save you money on seeding costs when you buy Gro-Coated Brand direct from us. Many low priced economy offers (see panels at left); similar savings on 155 economy, middle and top grades and qualities in Alfalfa, Clovers, Grasses, Forages, Soybeans, Oats, Hybrid Corn, etc. 1955 SEED SUPPLIES SHORT. Red Clover, Sweet Clover, Timothy, Orchard Grass, Lespedeza, in fact, all major legumes and grasses combined, shortest in history, based on normal demand. Will take care of everybody we can, first come, first served. BUT DON'T DELAY, get our Big Catalog and prices now and avoid disappointment. EARLY ORDERS protect you against higher markets, too. Berry's seeds expertly cleaned, blended, tested and labeled in compliance with state and Federal laws. Mail coupon now.

FREE BIG CATALOG & SAMPLES

THIS BOOK IS YOUR GUIDE TO SEED QUALITY AND SELECTION

FILL IN COUPON, or write letter or card, but do it now. Ask for this great 1955 Berry Seed Catalog. Tell us Field and Grass Seed Samples you want us to send you free for examination, testing, etc. Know what you are buying. Read the GRO-COATED brand guarantee. Save money, too, on Gro-Coated garden and flower seeds; also sturdy, quick growing nursery stock. See Tomato and Gladiolus offers at lower left.

MAIL COUPON

BERRY SEED COMPANY, Box 1804, Clarinda, Iowa

Please send me your 1955 BERRY SEED Catalog of Gro-Coated Brand Seed Bargains and Free Samples as indicated below. (Also Free 25c pkt. of Tomato Seed.)

Name.....

P. O..... State..... RFD.....

FREE SAMPLES—Check ones interested in. Write others in—

.....Alfalfa; .....Red Clover; .....Sweet Clover; .....Alsike;

.....Timothy; .....Brome Grass; .....Lespedeza; .....Oats;

.....Hybrid Corn; .....Grass Mixtures; Others?.....